MY PROGRESS BOOK IN ARITHMETIC

3

CHARLES E. MERRILL BOOKS

My Progress Books® in Arithmetic

By ELEANOR M. JOHNSON, Formerly Assistant Superintendent of Schools, Lakewood, Ohio

There are six books in this series. These books are based on analyses of recent arithmetic textbooks, new and outstanding courses of study, and the latest research.

With the exception of Book No. 1, all books are organized on a unit basis. Each unit presents new topics and at the same time gives practice in recalling previously taught processes within a grade and from earlier grades. At the end of each unit is a diagnostic review to help the teacher locate individual difficulties. The test items in the diagnostic reviews are arranged from easy to hard for each process. Each process has been analyzed for steps of difficulty. Practice is first "bunched" by step difficulty and then mixed. Problems apply the various arithmetical processes to the probable life experiences of the children at any grade level.

BOOK 1: Development of the meaning and uses of numbers as they occur in the child's work and play. Counting, reading, and writing numbers to 10. Seeing groups of objects in regular patterns to 6 and 7. Numbers in a series to 10. Understanding the relationship of addition and subtraction combinations of numbers to 10 and their use in concrete situations. Reading and writing numbers horizontally and vertically. Vocabulary of number words and symbols.

BOOK 2: Reviews all work given in Book 1. New Work: Reading and writing Arabic numbers to 999. Counting by ones, twos, fives, tens to 100. Understanding the relationship of addition and subtraction combinations up to 19. Addition of two-figure numbers, no carrying. Subtraction of two-figure numbers, no borrowing. Decade addition and subtraction, without bridging and with bridging. Arithmetical vocabulary and problems from the work and play of young children. Concepts of measures—time, money, inches.

BOOK 3: Reviews all previous work. New Work: One column and higher decade addition. Addition and subtraction of two and three-figure numbers with no carrying and no borrowing, with carrying and borrowing once, with carrying and borrowing twice, zero difficulties. Adding and subtracting money. Multiplication and division combinations of twos, fives, threes, fours. Multiplication of two and three-figure numbers, no carrying, carrying once, carrying twice, zeros. One-figure divisors, no remainders. Problems and concepts of measures.

BOOK 4: Reviews all previous work. New Work: Addition and subtraction with carrying and borrowing two and three times, zero difficulties. Multiplication and division combinations through the nines. Multiplication with one and two-figure multipliers and carrying once, twice, and zeros. One-figure divisors with remainders—long division form. Division with two-figure divisors, no final remainders. Problems and concepts of measures.

BOOK 5: Reviews all previous work. New Work: Harder addition, subtraction, and multiplication. Long division with one, two, and three-figure divisors. Addition and subtraction of common fractions, mixed numbers, and improper fractions. Multiplication of common fractions by integers, by mixed numbers, by fractions. One and two-step problems using whole numbers and common fractions. Concepts of measures.

BOOK 6: Reviews all previous work. New Work: Addition, subtraction, multiplication, and division of common fractions and mixed numbers through all steps of difficulty. Four processes of decimal fractions. Equivalents of fractions, decimals, and per cents. Per cent of numbers and discount. One and two-step problems and concepts of measures.

How To Use the Units in This Book

My Progress Books can be used with any arithmetic text or program. The exercises in each workbook provide systematic, graded practice and review of the most important part of the year's work.

PLAN I. Procedure for Regular Diagnosis

In order to spread the work contained in this book over a semester or a school year, the material may be used once or twice a week for diagnostic purposes. Each page represents a complete lesson for one day. Systematic weekly diagnosis of class and individual difficulties in the various arithmetic skills will save many failures and produce better results.

The type of errors made by each pupil on any page (on which the practice items are arranged from easy to hard) will indicate to the teacher individual and class weaknesses in various important arithmetic skills. Knowing her pupils' deficiencies, the teacher can set about remedying these difficulties in the directed arithmetic work for the remaining days of the week.

The exercises on any page of this book should be worked out independently by each pupil. At the end of 15 to 25 minutes (depending on the grade), the teacher should stop all work and read the correct answers for each item on the page as each child checks his own work. Errors may be discussed.

PLAN II. Procedure for Intensive Training in One Process at a Time

Teachers may wish to follow the unit arrangement of topics in this workbook. Each unit and each process presented in the unit increases in difficulty from unit to unit. By the unit arrangement, pupils are not permitted to forget what they have already learned.

However, if the teacher wishes to give intensive training in any process (such as addition), at a particular time, she can do so by assigning in sequence the pages devoted to that process in each unit of the book. This plan will provide graded practice (from easy to hard) in the process being developed. Follow the same procedure in using the pages devoted to a single process as was suggested in Plan I.

CHARLES E. MERRILL BOOKS
COLUMBUS 15, OHIO
San Francisco 5, Calif. New York 36, N. Y. Dallas 1, Texas

MY PROGRESS BOOK IN ARITHMETIC

Number Three

By

ELEANOR M. JOHNSON

Formerly Assistant Superintendent of Schools
Lakewood, Ohio

When a pupil in ..... grade
I did the work in this book.
My name.....

CHARLES E. MERRILL BOOKS

COLUMBUS 15, OHIO

San Francisco 5, Calif. **New York 36, N. Y.** **Dallas 1, Texas**

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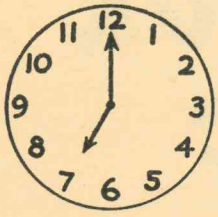
Revised printing, 1953.

Unit 1. Part 1. Telling Time

Write the time below each clock. (See the first clock.)



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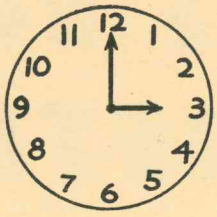

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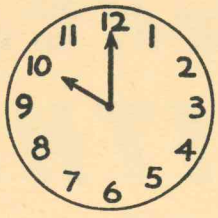

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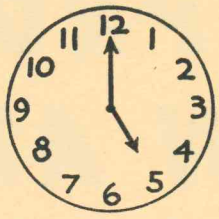

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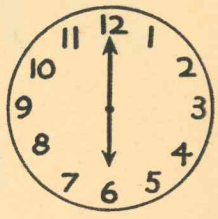

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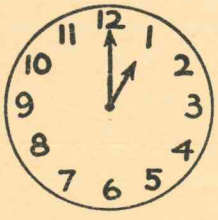

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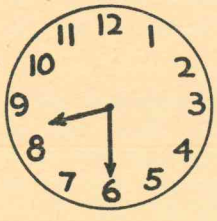

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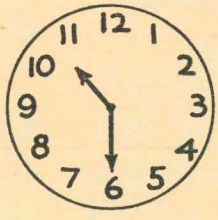

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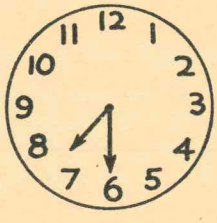

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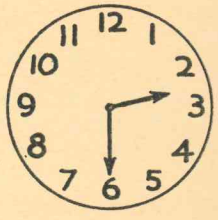

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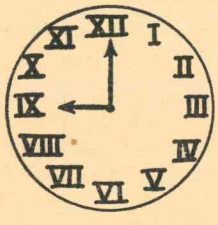

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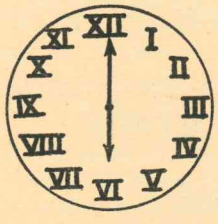
9 o'clock



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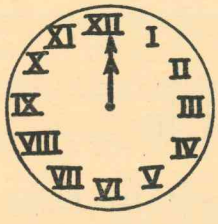

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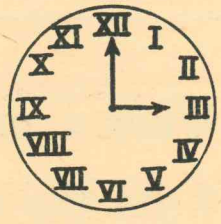

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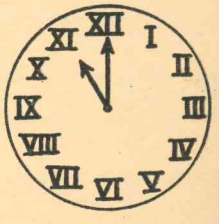

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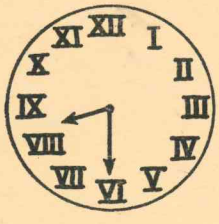

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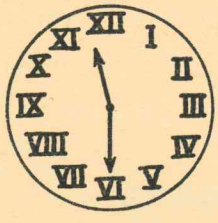

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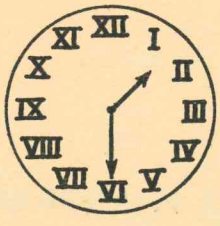

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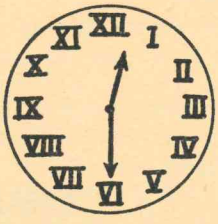

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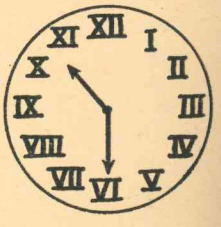

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Perfect score is 18. My Score _____.

Unit 1. Part 2. Counting and Writing Numbers

(1) Write the missing numbers as you count to 100.

1	11	21	31	41	51	61	71	81	91
2	12	22	_____	_____	_____	_____	_____	_____	_____
3	13	23	_____	_____	_____	_____	_____	_____	_____
4	14	_____	_____	_____	_____	_____	_____	_____	_____
5	_____	_____	_____	_____	_____	_____	_____	_____	_____
6	_____	_____	_____	_____	_____	_____	_____	_____	_____
7	_____	_____	_____	_____	_____	_____	_____	_____	_____
8	_____	_____	_____	_____	_____	_____	_____	_____	_____
9	_____	_____	_____	_____	_____	_____	_____	_____	_____
10	_____	_____	_____	_____	_____	_____	_____	_____	_____

(2) Begin with 10, 20, and count to 100 by 10's. Write the numbers.

_____ _____ _____ _____ _____ _____ _____ _____ _____ _____

(3) Begin with 5, 10, 15 and count to 100 by 5's. Write the numbers.

_____ _____ _____ _____ _____ _____ _____ _____ _____ _____

_____ _____ _____ _____ _____ _____ _____ _____ _____ _____

(4) Begin with 2, 4, 6, and count to 20 by 2's. Write the numbers.

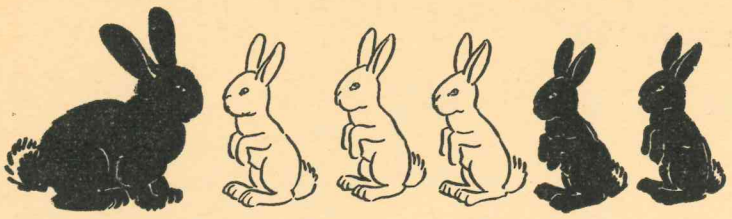
_____ _____ _____ _____ _____ _____ _____ _____ _____ _____

(5) Write the missing numbers below:

101	_____	_____	_____	105	221	_____	_____	_____	225
111	_____	_____	_____	115	467	_____	_____	_____	471
174	_____	_____	_____	178	852	_____	_____	_____	856

Perfect score is 5. My Score _____.

Unit 1. Part 3. Easy Addition Facts and Problems



Write the missing numbers in these stories.

(1) Here is _____ big rabbit.
Here are _____ little rabbits.
1 rabbit and 5 rabbits are _____ rabbits.
1 and 5 are _____. $1+5=$_____

(2) There are _____ little black rabbits.
There are _____ little white rabbits.
2 rabbits and 3 rabbits are _____ rabbits.
2 and 3 are _____. $2+3=$_____

(3) There are _____ black rabbits.
There are _____ white rabbits.
3 rabbits and 3 rabbits are _____ rabbits.
3 and 3 are _____. $3+3=$_____

(4) Jane read 2 books one week.
She read 2 books the next week.
In 2 weeks Jane read _____ books.
2 and 2 are _____. $2+2=$_____

(5) Ray had 4 tops. He bought 2 more.
How many tops did he have then?
Ray began with _____ tops.
He bought _____ more.
Then he had _____ tops.
4 and 2 are _____.
2 and 4 are _____.

4	2
2	4

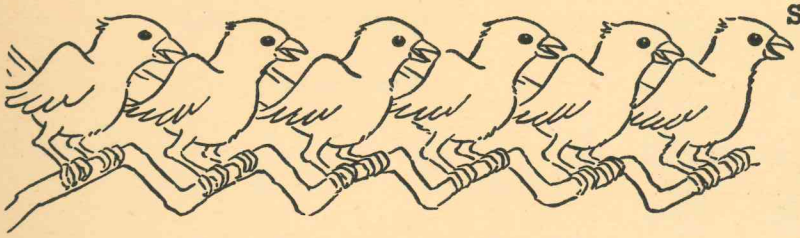
Add:

1 1	2 2	1 2	1 3
2 1	3 2	3 3	5 1
1 5	2 3	4 2	3 1
1 4	2 4	2 2	4 1

Add:

52 11	32 32	12 13
14 12	23 31	12 54
21 24	31 33	23 12
413 212	132 113	221 345
521 113	321 322	143 122

Perfect score is 36. My Score _____.



Write the missing numbers in these stories.

(1) There are _____ birds in the tree.
2 birds fly away. How many are left? _____
6 birds take away 2 birds are _____ birds.
6 take away 2 are _____. 6 — 2 = _____

(2) There are 6 birds. 3 birds fly away.
How many are left? _____ Cover 3 birds.
6 birds take away 3 birds are _____ birds.
6 take away 3 are _____. 6 — 3 = _____

(3) Ray had 5 marbles. He lost 4 of them.
How many marbles did he have left? _____
5 take away 4 is _____. 5 — 4 = _____

(4) Three children were playing. 2 went home.
How many children were left to play? _____
3 take away 2 is _____. 3 — 2 = _____

(5) Jane has 5 dolls. She put 2 dolls to bed.
How many dolls were left? _____
5 take away 2 are _____. 5 — 2 = _____

(6) Joe had 5 cents. He spent 4 cents.
He had _____ cent left. 5 — 4 = _____

(7) Jack had 3 balls. He lost 2 balls.
He had _____ ball left. 3 — 2 = _____

Subtract:

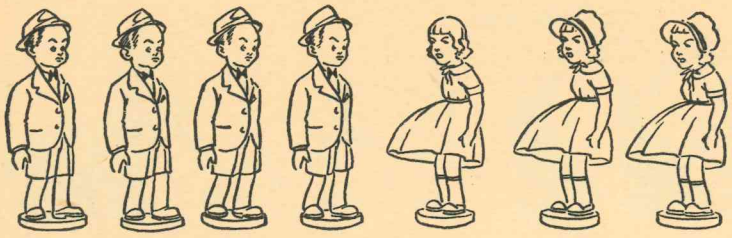
2 − 1	4 − 2	3 − 1	4 − 1
5 − 2	4 − 3	3 − 2	5 − 1
6 − 3	5 − 3	6 − 4	6 − 1
6 − 2	6 − 5	5 − 4	4 − 3

Subtract:

42 − 21	35 − 12	66 − 34
43 − 32	45 − 13	65 − 24
56 − 15	64 − 12	42 − 31
43 − 11	35 − 22	56 − 33
56 − 44	66 − 25	65 − 14

Perfect score is 38. My Score _____.

Unit 1. Part 5. Addition and Subtraction



Write the missing numbers in these stories.

(1) Ann has _____ dolls.
There are _____ boy dolls.
There are _____ girl dolls.
4 dolls and 3 dolls are _____ dolls.
4 and 3 are _____. 4 + 3 = _____
3 and 4 are _____. 3 + 4 = _____

$$\begin{array}{r} 4 \\ \underline{3} \end{array} \qquad \begin{array}{r} 3 \\ \underline{4} \end{array}$$

(2) There are _____ dolls with hats.
There is _____ doll with no hat.
6 dolls and 1 doll are _____ dolls.
6 and 1 are _____. 6 + 1 = _____
1 and 6 are _____. 1 + 6 = _____

(3) Color 2 dolls blue.
There are _____ dolls not colored.
2 dolls and 5 dolls are _____ dolls.
2 and 5 are _____. 2 + 5 = _____
5 and 2 are _____. 5 + 2 = _____

(4) Cover up the girl dolls.
7 dolls take away 3 dolls are _____ dolls.
7 take away 3 are _____. 7 − 3 = _____
7 take away 4 are _____. 7 − 4 = _____

(5) Cover up the doll with no hat.
7 take away 1 are _____. 7 − 1 = _____
7 take away 6 is _____. 7 − 6 = _____

Number Families

Write the answers.

4 + 2 =	3 + 3 =
14 + 2 =	13 + 3 =
24 + 2 =	23 + 3 =
34 + 2 =	33 + 3 =
44 + 2 =	43 + 3 =
5 − 1 =	3 − 2 =
25 − 1 =	13 − 2 =
45 − 1 =	33 − 2 =
65 − 1 =	63 − 2 =
95 − 1 =	73 − 2 =

Add:

31 21	42 31	65 11
342 415	526 231	214 563

Subtract:

673 442	753 241	745 132
757 632	776 342	767 554

Perfect score is 37. My Score _____.

Unit 1. Part 6. Diagnostic Review

Test 1. Addition Facts

2 1	4 2	1 1	3 2	2 2	3 1	5 1	4 2	1 4
3 3	1 2	2 4	2 3	4 1	1 5	4 3	5 2	6 1
21 11	41 24	13 21	32 32	12 33	41 15	252 412	321 456	

Test 2. Subtraction Facts

4 2	6 3	2 1	3 2	5 3	4 1	5 4	6 5	6 4
3 1	5 2	4 3	6 2	6 1	5 1	7 4	7 6	7 2
63 21	45 32	23 12	45 14	54 12	65 53	667 345	757 143	

Test 3. Writing Numbers

(1) Write the numbers from 11 to 16.

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(2) Write the numbers from 220 to 225.

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(3) Write the numbers from 701 to 706.

Test 4. Problems

(1) Joe had 7 cents. He lost 5 cents. He had ..... cents left.

(2) Jack read 4 books this week and 3 books last week. Jack read ..... books in 2 weeks.

(3) Dick had 6 cats and 4 of them ran away. He had ..... cats left.

Perfect score is 58. My Score .....

Unit 2. Part 1. Number Facts About 8 and 9

(1)

$5+3=$
$3+5=$
$8-5=$
$8-3=$

5	8	8	3
+3	−5	−3	+5

(2)

$4+4=$
$8-4=$

4	8
+4	−4

(3)

$6+2=$
$2+6=$
$8-2=$
$8-6=$

6	8	2	8
+2	−2	+6	−6

(4)

$1+7=$
$7+1=$
$8-7=$
$8-1=$

1	7	8	8
+7	+1	−7	−1

(5)

$4+5=$
$5+4=$
$9-4=$
$9-5=$

9	9	4	5
−4	−5	+5	+4

(6)

$1+8=$
$8+1=$
$9-8=$
$9-1=$

8	9	9	1
+1	−1	−8	+8

(7)

$3+6=$
$6+3=$
$9-6=$
$9-3=$

3	6	9	9
+6	+3	−6	−3

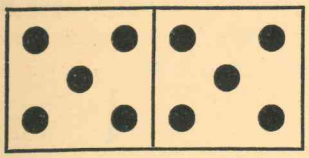
(8)

$7+2=$
$2+7=$
$9-2=$
$9-7=$

2	9	7	9
+7	−7	+2	−2

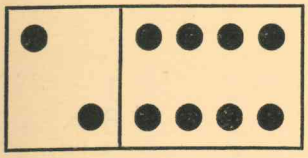
Perfect score is 8. My Score _____

Unit 2. Part 2. Number Facts About Ten



$5+5=$ $10-5=$

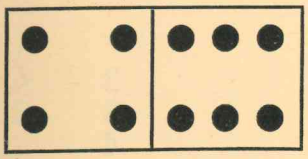
$\begin{array}{r} 5 \\ +5 \end{array}$ $\begin{array}{r} 10 \\ -5 \end{array}$



$2+8=$ $10-2=$

$8+2=$ $10-8=$

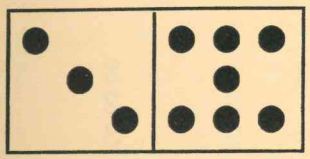
$\begin{array}{r} 2 \\ +8 \end{array}$ $\begin{array}{r} 8 \\ +2 \end{array}$ $\begin{array}{r} 10 \\ -8 \end{array}$ $\begin{array}{r} 10 \\ -2 \end{array}$



$4+6=$ $10-4=$

$6+4=$ $10-6=$

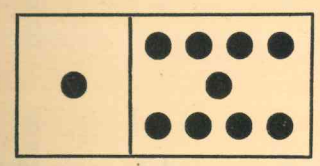
$\begin{array}{r} 4 \\ +6 \end{array}$ $\begin{array}{r} 6 \\ +4 \end{array}$ $\begin{array}{r} 10 \\ -4 \end{array}$ $\begin{array}{r} 10 \\ -6 \end{array}$



$3+7=$ $10-3=$

$7+3=$ $10-7=$

$\begin{array}{r} 3 \\ +7 \end{array}$ $\begin{array}{r} 7 \\ +3 \end{array}$ $\begin{array}{r} 10 \\ -7 \end{array}$ $\begin{array}{r} 10 \\ -3 \end{array}$



$9+1=$ $10-9=$

$1+9=$ $10-1=$

$\begin{array}{r} 9 \\ +1 \end{array}$ $\begin{array}{r} 1 \\ +9 \end{array}$ $\begin{array}{r} 10 \\ -9 \end{array}$ $\begin{array}{r} 10 \\ -1 \end{array}$

Higher Decades

Write other members of each family below.

4 + 3 = 7

14 + 3 = 17

24 + 3 = 27

7 + 2 = 9

17 + 2 =

27 + 2 =

37 + 2 =

8 + 1 = 9

18 + 1 =

28 + 1 =

38 + 1 =

9 − 5 = 4

19 − 5 =

29 − 5 =

39 − 5 =

Add:

6	5	3	9	8	4
4	5	7	1	2	6
7	4	2	6	8	4
2	5	7	3	1	4

Subtract:

10	10	10	10	10	10
7	8	4	5	6	9
10	10	10	9	9	9
3	2	1	7	4	6

Add:

61	74	86	52	98
48	35	23	57	11
64	15	13	64	81
33	52	63	42	25

Subtract:

98	87	99	43	98
44	33	16	12	75
87	99	89	89	77
66	53	32	78	42

Perfect score is 58. My Score _____.

Unit 2. Part 3. More Easy Addition

Practice this addition. Cover the answers. Write your answers on a folded paper. Practice until you can give the sums quickly.

5 5 10	4 4 8	3 3 6	4 6 10	1 8 9	5 3 8
4 5 9	6 4 10	4 2 6	7 1 8	2 7 9	5 4 9
3 5 8	6 3 9	8 2 10	1 7 8	3 6 9	9 1 10
7 3 10	7 2 9	2 6 8	8 1 9	1 9 10	2 8 10
6 2 8	3 7 10	4 3 7	2 5 7	6 1 7	3 4 7
1 4 5	1 3 4	3 2 5	1 5 6	2 4 6	5 1 6
2 2 4	1 1 2	2 3 5	1 2 3	3 1 4	4 1 5

Write the answers.

4 + 5 =	5 + 3 =
14 + 5 =	15 + 3 =
24 + 5 =	25 + 3 =
6 + 3 =	7 + 2 =
36 + 3 =	27 + 2 =
16 + 3 =	47 + 2 =

Column Addition: Add columns downward. Check by adding upward.

1 1 2	1 2 1	2 1 2	2 2 2	1 4 1	3 2 1
1 1 3	1 7 1	3 3 1	2 2 4	1 6 2	4 5 1
2 1 5	1 4 4	2 2 3	2 3 5	3 3 4	1 3 6
2 3 4	1 5 2	1 7 2	1 6 3	3 2 3	3 1 3

Add:

31 23	12 11	22 23	43 13	45 21
14 74	54 33	62 33	64 21	75 22
74 15	21 54	31 56	14 84	36 61
52 46	26 72	83 15	72 25	12 85
81 28	92 17	76 32	45 62	53 51

Perfect score is 61. My Score _____.

Unit 2. Part 4. More Easy Subtraction

Practice this subtraction. Cover the answers. Write your answers on a folded paper. Practice until you can give the remainders quickly.

10 − 8 = 2	9 − 7 = 2	8 − 4 = 4	9 − 1 = 8	10 − 2 = 8	8 − 2 = 6
7 − 6 = 1	8 − 5 = 3	9 − 4 = 5	7 − 2 = 5	8 − 1 = 7	9 − 2 = 7
7 − 5 = 2	9 − 5 = 4	10 − 1 = 9	8 − 7 = 1	8 − 3 = 5	7 − 3 = 4
7 − 4 = 3	8 − 6 = 2	9 − 6 = 3	10 − 3 = 7	9 − 8 = 1	9 − 3 = 6
5 − 3 = 2	10 − 6 = 4	5 − 4 = 1	6 − 1 = 5	10 − 7 = 3	6 − 2 = 4
6 − 3 = 3	10 − 5 = 5	6 − 5 = 1	5 − 2 = 3	10 − 9 = 1	10 − 4 = 6
5 − 4 = 1	4 − 2 = 2	3 − 2 = 1	4 − 3 = 1	3 − 1 = 2	4 − 1 = 3

Write the answers.

9 − 2 =	10 − 5 =
19 − 2 =	15 − 5 =
29 − 2 =	25 − 5 =
8 − 6 =	7 − 3 =
28 − 6 =	27 − 3 =
18 − 6 =	37 − 3 =

Subtract and check by addition:

63 − 12	54 − 42	45 − 11	34 − 13	25 − 12
57 − 31	67 − 32	76 − 42	76 − 34	76 − 55
78 − 61	98 − 32	99 − 16	89 − 34	89 − 45
89 − 52	98 − 77	98 − 85	89 − 68	89 − 77

Subtract and check by addition:

234 − 112	345 − 211	465 − 332	565 − 314
767 − 124	678 − 422	876 − 135	877 − 445
789 − 631	899 − 547	989 − 472	899 − 635
978 − 67	879 − 11	798 − 22	887 − 43
678 − 545	689 − 63	679 − 25	899 − 374

Perfect score is 52. My Score .....

Unit 2. Part 5. Money

Prices at the Toy Store

kite	6 cents	doll	4 cents
top	3 cents	bed	2 cents
book	8 cents	auto	5 cents

Write in the prices and add.

(1) a doll _____ cents
a top _____ cents
a bed _____ cents
_____ cents

(2) a top _____ cents
an auto _____ cents
a bed _____ cents
_____ cents

(3) a doll _____ cents
a kite _____ cents
_____ cents

(4) a book _____ cents
a bed _____ cents
_____ cents

Find the cost of these toys.

(5) A book, a bed _____ cents.
(6) An auto, a top _____ cents.
(7) A doll, a kite _____ cents.
(8) A kite, a top _____ cents.

Making Change

Write in the amount of change you should get.

	Cost	Amount Given	Change
(9)	5 cents	dime	_____
(10)	3 cents	nickel	_____
(11)	1 nickel	dime	_____
(12)	20 cents	quarter	_____
(13)	15 cents	quarter	_____
(14)	22 cents	quarter	_____
(15)	7 cents	dime	_____
(16)	6 cents	dime	_____

Write in the amounts.

1 nickel = _____ cents.
2 nickels = _____ cents.
3 nickels = _____ cents.
4 nickels = _____ cents.
5 nickels = _____ cents.

1 dime = _____ cents.
2 dimes = _____ cents.
3 dimes = _____ cents.
4 dimes = _____ cents.
5 dimes = _____ cents.

A dollar = _____ cents.
A dollar = _____ dimes.
A dollar = _____ nickels.
A dollar = _____ quarters.
A dollar = _____ half dollars.

A half dollar = _____ cents.
A half dollar = _____ dimes.
A half dollar = _____ nickels.
A half dollar = _____ quarters.

A dime and 1 cent = _____ cents.
A dime and 4 cents = _____ cents.
A nickel and 3 cents = _____ cents.
A nickel and 5 cents = _____ cents.

Perfect score is 39. My Score _____.

Unit 2. Part 6. Addition and Subtraction

Work the problems. (See number one.)

(1) In Jack's class there are 21 girls and 24 boys. There are *45* children in all.

$$\begin{array}{r} 21 \\ 24 \\ \hline 45 \end{array}$$

(2) Dick had 12 cents. He cleaned the car and earned 25 cents more. He then had _____ cents. _____

(3) 14 girls and 15 boys came to Jane's party. How many children came to the party? _____ _____

(4) Peter had 22 chickens. He bought 7 more. He now has _____ chickens. _____

(5) Joe had 29 papers to sell. After he sold 15 of them he had _____ papers left. _____

(6) Sue went to the store with 29 cents. After paying 16 cents for stamps how much did she have left? _____ _____

(7) Tom is 10 years old and his sister is 6 years old. Tom is _____ years older than his sister. _____

(8) Betty had 10 jacks. She lost 3 of them. She now has _____ jacks. _____

Add downward:

21	42	53	32
31	21	22	32
24	32	14	32

12	32	42	26
4	23	2	1
23	4	5	21

$4.25	$3.14	$2.12
1.23	2.22	3.55
3.41	1.53	1.21
$8.89		

$3.25	$6.51	$2.21
4.12	2.34	3.43
2.61	1.13	4.32

Subtract:

$6.94	$8.98	$7.98
4.82	3.72	4.44
$2.12		

$8.33	$7.94	$6.98
4.23	2.43	5.65

$5.67	$7.48	$7.67
4.32	2.33	3.25

$9.87	$8.43	$8.99
2.45	6.32	6.64

Perfect score is 33. My Score _____.

Unit 2. Part 7. Multiplying by Two

1+1=2 2 ones are 2. 2×1=2	2+2=4 2 twos are 4. 2×2=4	3+3=6 2 threes are 6. 2×3=6	4+4=8 2 fours are 8. 2×4=8	5+5=10 2 fives are 10. 2×5=10
6+6=12 2 sixes are 12. 2×6=12	7+7=14 2 sevens are 14. 2×7=14	8+8=16 2 eights are 16. 2×8=16	9+9=18 2 nines are 18. 2×9=18	10+10=20 2 tens are 20. 2×10=20

Work the problems. (See number one.)

(1) If one doll costs 5 cents, how much will 2 dolls cost? *10* cents.

$$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$$

(2) If each jack costs 3 cents, how much will 2 jacks cost? _____ cents.

(3) Tom saved 8 cents a week for two weeks. How much money did he save in 2 weeks? _____ cents.

(4) Oranges cost 2 cents apiece. How much will 6 oranges cost? _____ cents.

(5) Jim bought 7 pencils at 2 cents each. What did he pay for the 7 pencils? _____ cents.

(6) Jerry had 9 letters to mail. He put a 2 cent stamp on each letter. He needed _____ cents for stamps.

Multiply:

$$\begin{array}{r} 22 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 33 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 44 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 21 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 42 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 52 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 63 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 84 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 91 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 123 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 423 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 312 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 413 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 323 \\ \times 2 \\ \hline \end{array}$$

Perfect score is 23. My Score _____.

Unit 2. Part 8. Multiplication and Division

Write the answers. See number one.

(1) $2 \times 4 = 8$	$8 \div 2 = 4$	$8 \div 4 = 2$	$2\overline{)8}$	$4\overline{)8}$	
(2) $2 \times 3 =$	$6 \div 2 =$	$6 \div 3 =$	$3\overline{)6}$	$2\overline{)6}$	
(3) $2 \times 7 =$	$14 \div 2 =$	$14 \div 7 =$	$7\overline{)14}$	$2\overline{)14}$	
(4) $2 \times 2 =$	$4 \div 2 =$		$2\overline{)4}$		
(5) $2 \times 8 =$	$16 \div 2 =$	$16 \div 8 =$	$2\overline{)16}$	$8\overline{)16}$	
(6) $2 \times 5 =$	$10 \div 2 =$	$10 \div 5 =$	$2\overline{)10}$	$5\overline{)10}$	
(7) $2 \times 6 =$	$12 \div 2 =$	$12 \div 6 =$	$6\overline{)12}$	$2\overline{)12}$	
(8) $2 \times 9 =$	$18 \div 2 =$	$18 \div 9 =$	$2\overline{)18}$	$9\overline{)18}$	
(9) $2 \times 1 =$	$2 \div 2 =$		$2\overline{)2}$		

$2\overline{)12}$	$2\overline{)4}$	$2\overline{)6}$	$2\overline{)10}$	$2\overline{)8}$	$2\overline{)2}$	$2\overline{)14}$
$2\overline{)16}$	$3\overline{)6}$	$4\overline{)8}$	$2\overline{)18}$	$5\overline{)10}$	$7\overline{)14}$	$6\overline{)12}$
$2\overline{)66}$	$2\overline{)44}$	$2\overline{)88}$	$2\overline{)68}$	$2\overline{)84}$	$2\overline{)24}$	$2\overline{)42}$
$2\overline{)468}$	$2\overline{)284}$	$2\overline{)868}$	$2\overline{)486}$	$2\overline{)644}$	$2\overline{)824}$	$2\overline{)226}$
$2\overline{)142}$	$2\overline{)148}$	$2\overline{)146}$	$2\overline{)144}$	$2\overline{)122}$	$2\overline{)126}$	$2\overline{)128}$
$2\overline{)124}$	$2\overline{)168}$	$2\overline{)164}$	$2\overline{)166}$	$2\overline{)162}$	$2\overline{)186}$	$2\overline{)188}$

Perfect score is 50. My Score .....

Unit 2. Part 9. Zeros in Addition and Subtraction

Write the answers. See examples.

6 + 0 = 6	6 − 0 = 6	6 − 6 = 0
2 + 0 =	2 − 0 =	2 − 2 =
9 + 0 =	9 − 0 =	9 − 9 =
8 + 0 =	8 − 0 =	8 − 8 =
5 + 0 =	5 − 0 =	5 − 5 =
1 + 0 =	1 − 0 =	1 − 1 =
3 + 0 =	3 − 0 =	3 − 3 =
7 + 0 =	7 − 0 =	7 − 7 =
4 + 0 =	4 − 0 =	4 − 4 =
0 + 0 =	0 − 0 =	

Mixed practice:

3 + 0 =
6 − 0 =
8 − 8 =
4 − 0 =
5 + 0 =
2 − 2 =
9 + 0 =
3 + 0 =
7 − 0 =
5 − 5 =

Add:

65 20	70 32	50 30	40 61	64 30
70 13	40 49	50 56	50 48	70 27
80 15	86 20	92 10	43 30	50 24
610 300	405 222	605 200	700 200	
743 352	900 160	606 480	270 809	

Subtract:

97 50	82 60	94 74	98 68	85 50
76 16	93 33	81 30	96 20	2 2
95 75	93 80	87 17	81 21	94 10
987 440	586 100	804 203	876 406	
589 209	467 260	367 304	748 348	

Perfect score is 82. My Score _____.

Unit 2. Part 10. Diagnostic Review

Test 1. Addition

(1) $\begin{array}{r} 3 \\ 2 \\ \underline{2} \end{array}$ (2) $\begin{array}{r} 4 \\ 3 \\ \underline{2} \end{array}$ (3) $\begin{array}{r} 56 \\ \underline{43} \end{array}$ (4) $\begin{array}{r} 456 \\ \underline{433} \end{array}$ (5) $\begin{array}{r} 23 \\ 14 \\ \underline{32} \end{array}$ (6) $\begin{array}{r} 434 \\ 321 \\ \underline{44} \end{array}$ (7) $\begin{array}{r} \$6.22 \\ 2.63 \\ \underline{1.12} \end{array}$

(8) $2+6=$

(9) $12+6=$

(10) $42+6=$

(11) $52+6=$

(12) A dime and 4 cents are _____ cents.

(13) A nickel and 2 cents are _____ cents.

(14) There are _____ nickels in a quarter.

(15) There are _____ dimes in a dollar.

Test 2. Subtraction

(1) $9-2=$

(2) $10-8=$

(3) $8-3=$

(4) $10-7=$

(5) $9-6=$

(6) $\begin{array}{r} 48 \\ \underline{35} \end{array}$ (7) $\begin{array}{r} 67 \\ \underline{56} \end{array}$ (8) $\begin{array}{r} 768 \\ \underline{557} \end{array}$ (9) $\begin{array}{r} 967 \\ \underline{542} \end{array}$

(10) $\begin{array}{r} 976 \\ \underline{43} \end{array}$ (11) $\begin{array}{r} 848 \\ \underline{37} \end{array}$ (12) $\begin{array}{r} \$6.87 \\ \underline{3.61} \end{array}$ (13) $\begin{array}{r} \$9.98 \\ \underline{7.43} \end{array}$

Test 3. Multiplication

(1) $3+3=$_____, or $2\times3=$_____

(2) $2+2=$_____, or $2\times2=$_____

(3) $4+4=$_____, or $2\times4=$_____

(4) $6+6=$_____, or $2\times6=$_____

(5) $1+1=$_____, or $2\times1=$_____

(6) $9+9=$_____, or $2\times9=$_____

(7) $\begin{array}{r} 231 \\ \times 2 \end{array}$ (8) $\begin{array}{r} 421 \\ \times 2 \end{array}$ (9) $\begin{array}{r} 324 \\ \times 2 \end{array}$ (10) $\begin{array}{r} 213 \\ \times 2 \end{array}$

(11) $\begin{array}{r} 64 \\ \times 2 \end{array}$ (12) $\begin{array}{r} 71 \\ \times 2 \end{array}$ (13) $\begin{array}{r} 512 \\ \times 2 \end{array}$ (14) $\begin{array}{r} 83 \\ \times 2 \end{array}$

Do not go on until you can make a perfect score on this review page.

Perfect score is 42. My Score _____.

Unit 3. Part 1. Number Facts About 11

(1)

$6+5=$
$5+6=$
$11-6=$
$11-5=$

$$\begin{array}{rrrr} 5 & 6 & 11 & 11 \\ +6 & +5 & -5 & -6 \end{array}$$

(2)

$4+7=$
$7+4=$
$11-4=$
$11-7=$

$$\begin{array}{rrrr} 4 & 11 & 7 & 11 \\ +7 & -4 & +4 & -7 \end{array}$$

(3)

$8+3=$
$3+8=$
$11-3=$
$11-8=$

$$\begin{array}{rrrr} 3 & 8 & 11 & 11 \\ +8 & +3 & -3 & -8 \end{array}$$

(4)

$9+2=$
$2+9=$
$11-9=$
$11-2=$

$$\begin{array}{rrrr} 11 & 11 & 9 & 2 \\ -2 & -9 & +2 & +9 \end{array}$$

Add:

$$\begin{array}{rrrrr} 64 & 77 & 70 & 96 & 31 \\ 55 & 32 & 44 & 23 & 88 \end{array}$$

$$\begin{array}{rrrrr} 86 & 63 & 84 & 50 & 46 \\ 32 & 45 & 24 & 60 & 70 \end{array}$$

$$\begin{array}{rrrrr} 44 & 30 & 80 & 42 & 96 \\ 63 & 74 & 30 & 75 & 21 \end{array}$$

$$\begin{array}{rrr} \$7.34 & \$8.10 & \$9.01 \\ 4.21 & 3.20 & 2.63 \end{array}$$

Subtract:

$$\begin{array}{rrrrr} 89 & 96 & 70 & 67 & 34 \\ 41 & 30 & 50 & 40 & 14 \end{array}$$

$$\begin{array}{rrr} \$9.76 & \$9.88 & \$5.52 \\ 1.43 & 2.04 & 1.52 \end{array}$$

$$\begin{array}{rrr} \$5.47 & \$9.48 & \$7.44 \\ 1.33 & 6.05 & 2.04 \end{array}$$

$$\begin{array}{rrrr} 115 & 116 & 107 & 108 \\ 24 & 34 & 27 & 68 \end{array}$$

$$\begin{array}{rrrr} 112 & 103 & 117 & 104 \\ 52 & 10 & 43 & 74 \end{array}$$

Perfect score is 41. My Score _____.

(1)

$6+6=$
$12-6=$

$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$

(2)

$7+5=$
$5+7=$
$12-7=$
$12-5=$

$\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$

(3)

$8+4=$
$4+8=$
$12-8=$
$12-4=$

$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$

(4)

$9+3=$
$3+9=$
$12-3=$
$12-9=$

$\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$

(5)

$6+7=$
$7+6=$
$13-6=$
$13-7=$

$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -6 \\ \hline \end{array}$

(6)

$9+4=$
$4+9=$
$13-4=$
$13-9=$

$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$

(7)

$8+5=$
$5+8=$
$13-8=$
$13-5=$

$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$

(1) $8+4=$
(2) $3+9=$
(3) $6+7=$
(4) $5+8=$
(5) $9+4=$
(6) $6+6=$
(7) $7+5=$
(8) $12-3=$
(9) $12-8=$
(10) $12-7=$
(11) $12-6=$
(12) $13-4=$
(13) $13-7=$
(14) $13-8=$

Perfect score is 21. My Score _____.

Unit 3. Part 3. Addition Facts About 11, 12, 13

Learn these addition facts if you do not know them.

11

6	7	8	9
5	4	3	2
11	11	11	11
5	4	3	2
6	7	8	9
11	11	11	11

12

6	7	8	9
6	5	4	3
12	12	12	12
5	4	3	
7	8	9	
12	12	12	

13

8	6	9
5	7	4
13	13	13
5	7	4
8	6	9
13	13	13

Find the sums.

1	1	1	1	1	1	1	8	9	6	7	8
1	2	2	3	3	4	3	2	2	3	3	3
9	8	9	7	8	6	9	2	2	2	2	2

Addition with carrying and zeros. Find the sums.

57	29	47	48	59	37	39	58	95	28
36	64	35	23	13	14	62	45	40	35
56	64	33	40	87	32	63	72	53	96
5	8	45	50	34	78	79	89	78	34
21	20	4	5	2	3	11	22	10	3
246	234	755	604	206	146	111	567	224
635	747	238	369	487	246	639	416	516
125	537	344	115	715	353	609	982	735
428	124	319	718	125	827	404	108	306

Perfect score is 50. My Score _____.

Unit 3. Part 4. Subtraction Facts About 11, 12, 13

Learn these subtraction facts if you do not know them.

11−5=6	12−6=6	13−4=9	9−9=0	9−0=9
11−6=5	12−7=5	13−9=4	8−8=0	8−0=8
11−7=4	12−5=7	13−8=5	7−7=0	7−0=7
11−4=7	12−8=4	13−5=8	6−6=0	6−0=6
11−8=3	12−4=8	13−7=6	5−5=0	5−0=5
11−3=8	12−9=3	13−6=7	4−4=0	4−0=4
11−2=9	12−3=9		3−3=0	3−0=3
11−9=2			2−2=0	2−0=2

A zero in subtraction. Find the remainders.

98 20	75 20	86 40	79 40	67 20	89 19	78 58	56 26	94 54	72 22

Find the remainders.

81 26	82 38	99 20	63 18	52 29	93 18	32 16	81 14	93 84	73 19
93 47	62 59	62 27	91 58	42 16	71 26	81 79	62 35	43 25	53 19
922 215	833 529	593 125	883 715	941 212	863 244	647 323	522 408	599 196	
990 379	590 264	650 136	660 257	960 143	893 688	892 187	874 664	999 387	
473 159	793 288	497 341	978 564	326 113	897 347	699 300	567 420	986 306	

Perfect score is 57. My Score _____.

Unit 3. Part 5. Multiplication With Carrying Once

Study these facts. Write the answers. (Watch the signs.)

(1) $5+5=$

(2) $2\times5=$ $5\times2=$

(3) $6+6=$

(4) $2\times6=$ $6\times2=$

(5) $2+2=$

(6) $2\times2=$

(7) $4+4=$

(8) $2\times4=$ $4\times2=$

(9) $3+3=$

(10) $2\times3=$ $3\times2=$

(11) $7+7=$

(12) $2\times7=$ $7\times2=$

(13) $9+9=$

(14) $2\times9=$ $9\times2=$

(15) $8+8=$

(16) $2\times8=$ $8\times2=$

Learn these facts. Write the answers.

$1\times1=1$	$1\times0=0$
$2\times1=2$	$2\times0=0$
$3\times1=3$	$3\times0=0$
$4\times1=$	$4\times0=$
$5\times1=$	$5\times0=$
$6\times1=$	$6\times0=$
$7\times1=$	$7\times0=$
$8\times1=$	$8\times0=$
$9\times1=$	$9\times0=$

Multiplying with zero. Find the products.

(1) $2\times3+1=$ $\begin{array}{r}40\\\times2\\\hline\end{array}$ $\begin{array}{r}30\\\times2\\\hline\end{array}$ $\begin{array}{r}20\\\times2\\\hline\end{array}$

(2) $2\times6+1=$

(3) $2\times8+1=$

(4) $2\times4+1=$ $\begin{array}{r}604\\\times2\\\hline\end{array}$ $\begin{array}{r}802\\\times2\\\hline\end{array}$ $\begin{array}{r}903\\\times2\\\hline\end{array}$

(5) $2\times7+1=$

(6) $2\times9+1=$

(7) $2\times5+1=$ $\begin{array}{r}200\\\times2\\\hline\end{array}$ $\begin{array}{r}500\\\times2\\\hline\end{array}$ $\begin{array}{r}700\\\times2\\\hline\end{array}$

(8) $2\times0+1=$

(9) $6\times0+1=$

(10) $4\times1+1=$ $\begin{array}{r}201\\\times2\\\hline\end{array}$ $\begin{array}{r}310\\\times2\\\hline\end{array}$ $\begin{array}{r}401\\\times2\\\hline\end{array}$

(11) $9\times1+1=$

Multiply:

$\begin{array}{r}31\\\times2\\\hline\end{array}$ $\begin{array}{r}34\\\times2\\\hline\end{array}$ $\begin{array}{r}61\\\times2\\\hline\end{array}$ $\begin{array}{r}54\\\times2\\\hline\end{array}$ $\begin{array}{r}83\\\times2\\\hline\end{array}$ $\begin{array}{r}70\\\times2\\\hline\end{array}$

$\begin{array}{r}67\\\times2\\\hline\end{array}$ $\begin{array}{r}28\\\times2\\\hline\end{array}$ $\begin{array}{r}39\\\times2\\\hline\end{array}$ $\begin{array}{r}16\\\times2\\\hline\end{array}$ $\begin{array}{r}25\\\times2\\\hline\end{array}$ $\begin{array}{r}49\\\times2\\\hline\end{array}$

$\begin{array}{r}432\\\times2\\\hline\end{array}$ $\begin{array}{r}129\\\times2\\\hline\end{array}$ $\begin{array}{r}318\\\times2\\\hline\end{array}$ $\begin{array}{r}447\\\times2\\\hline\end{array}$ $\begin{array}{r}516\\\times2\\\hline\end{array}$

$\begin{array}{r}924\\\times2\\\hline\end{array}$ $\begin{array}{r}145\\\times2\\\hline\end{array}$ $\begin{array}{r}215\\\times2\\\hline\end{array}$ $\begin{array}{r}746\\\times2\\\hline\end{array}$ $\begin{array}{r}304\\\times2\\\hline\end{array}$

$\begin{array}{r}645\\\times2\\\hline\end{array}$ $\begin{array}{r}647\\\times2\\\hline\end{array}$ $\begin{array}{r}839\\\times2\\\hline\end{array}$ $\begin{array}{r}516\\\times2\\\hline\end{array}$ $\begin{array}{r}501\\\times2\\\hline\end{array}$

Perfect score is 78. My Score _____.

Unit 3. Part 6. Division Without Carrying

Study these division facts. Write the answers. (See number one.)

(1) $2\overline{)2}$ — 1 — How many twos are there in 2? 1

(2) $2\overline{)8}$ — How many twos are there in 8? _____

(3) $2\overline{)6}$ — How many twos are there in 6? _____

(4) $2\overline{)4}$ — How many twos are there in 4? _____

(5) $2\overline{)10}$ — How many twos are there in 10? _____

(6) $2\overline{)12}$ — How many twos are there in 12? _____

(7) $2\overline{)16}$ — How many twos are there in 16? _____

(8) $2\overline{)18}$ — How many twos are there in 18? _____

(9) $2\overline{)6}$ $3\overline{)6}$

(10) $2\overline{)8}$ $4\overline{)8}$

(11) $2\overline{)10}$ $5\overline{)10}$

(12) $2\overline{)12}$ $6\overline{)12}$

(13) $2\overline{)18}$ $9\overline{)18}$

Write the answers.

$2\overline{)24}$	$2\overline{)64}$	$2\overline{)62}$	$2\overline{)48}$
$2\overline{)44}$	$2\overline{)26}$	$2\overline{)84}$	$2\overline{)46}$
$2\overline{)666}$	$2\overline{)484}$	$2\overline{)624}$	$2\overline{)628}$
$2\overline{)684}$	$2\overline{)864}$	$2\overline{)642}$	$2\overline{)848}$
$3\overline{)6}$	$3\overline{)66}$	$3\overline{)63}$	$3\overline{)36}$
$4\overline{)4}$	$4\overline{)44}$	$4\overline{)48}$	$4\overline{)84}$
$5\overline{)5}$	$5\overline{)55}$	$5\overline{)10}$	$5\overline{)105}$
$6\overline{)6}$	$6\overline{)66}$	$6\overline{)12}$	$6\overline{)126}$
$7\overline{)7}$	$7\overline{)77}$	$7\overline{)14}$	$7\overline{)147}$
$8\overline{)8}$	$8\overline{)88}$	$8\overline{)16}$	$8\overline{)168}$
$9\overline{)9}$	$9\overline{)99}$	$9\overline{)18}$	$9\overline{)189}$

Perfect score is 56. My Score _____.

Unit 3. Part 7. Multiplication and Division

Write the answers. (See number one.)

(1) __2__ × 3 = 6 There are __2__ threes in 6. $3\overline{)6}$ (quotient 2)

(2) _____ × 1 = 2 There are _____ ones in 2. $2\overline{)2}$

(3) _____ × 7 = 14 There are _____ sevens in 14. $7\overline{)14}$

(4) _____ × 5 = 10 There are _____ fives in 10. $5\overline{)10}$

(5) _____ × 9 = 18 There are _____ nines in 18. $9\overline{)18}$

(6) _____ × 4 = 8 There are _____ fours in 8. $4\overline{)8}$

(7) _____ × 6 = 12 There are _____ sixes in 12. $6\overline{)12}$

(8) _____ × 8 = 16 There are _____ eights in 16. $8\overline{)16}$

(9) $2\overline{)2}$

$2 \div 2 =$

2 into 2 is _____.

2 divided by 2 is _____.

(10) $6\overline{)6}$

$6 \div 6 =$

6 into 6 is _____.

6 divided by 6 is _____.

(11) $7\overline{)7}$

$7 \div 7 =$

7 into 7 is _____.

7 divided by 7 is _____.

(12) $5\overline{)5}$

$5 \div 5 =$

5 into 5 is _____.

5 divided by 5 is _____.

(13) $3\overline{)3}$ $4\overline{)4}$ $8\overline{)8}$ $9\overline{)9}$ $5\overline{)5}$

Multiply:

342 × 2	412 × 2	511 × 2
621 × 2	831 × 2	914 × 2
211 × 5	210 × 6	201 × 7
210 × 9	220 × 4	201 × 8
436 × 2	547 × 2	328 × 2

Divide:

$2\overline{)126}$	$6\overline{)126}$
$7\overline{)147}$	$8\overline{)168}$
$9\overline{)189}$	$5\overline{)105}$
$3\overline{)363}$	$4\overline{)484}$
$5\overline{)550}$	$2\overline{)864}$

Perfect score is 37. My Score _____.

Write the sums. Can you use families in addition?

2 + 7	12 + 7	22 + 7	32 + 7	42 + 7	52 + 7	4 + 5	14 + 5	24 + 5	34 + 5
5 + 3	25 + 3	45 + 3	8 + 1	18 + 1	28 + 1	3 + 4	13 + 4	23 + 4	33 + 4
0 + 7	10 + 7	20 + 7	2 + 3	32 + 3	62 + 3	1 + 5	11 + 5	41 + 5	71 + 5
4 + 7	14 + 7	24 + 7	6 + 7	16 + 7	46 + 7	8 + 5	28 + 5	48 + 5	68 + 5
9 + 3	19 + 3	39 + 3	6 + 6	16 + 6	26 + 6	4 + 6	14 + 6	24 + 6	44 + 6
2 + 9	12 + 9	22 + 9	4 + 9	34 + 9	54 + 9	3 + 7	13 + 7	33 + 7	43 + 7

Write the remainders. Can you use endings in subtracting?

6 − 5	16 − 5	26 − 5	7 − 4	17 − 4	37 − 4	8 − 2	18 − 2	28 − 2	38 − 2
9 − 6	19 − 6	29 − 6	10 − 7	20 − 7	30 − 7	11 − 8	21 − 8	31 − 8	41 − 8
3 − 7	13 − 7	23 − 7	12 − 6	22 − 6	32 − 6	11 − 9	21 − 9	31 − 9	41 − 9

Perfect score is 90. My Score _____.

Unit 3. Part 9. Using What You Have Learned

Do these problems. Show how you work them. See number one.

(1) Sally is 53 inches tall. Her little brother is 40 inches tall. How much taller is Sally than her brother? *13* inches.

$$\begin{array}{r} 53 \\ -\,40 \\ \hline 13 \end{array}$$

(2) Joe earned 35 cents. He spent a nickel for a ball and saved the rest. How much does Joe still have? _____ cents.

(3) Jack bought two bus tickets for Aunt Jane and himself. Each ticket cost 75 cents. How much did the tickets cost? _____

(4) Dick and Bob save stamps. Dick has 62 stamps and Bob has 27. How many more stamps has Dick than Bob? _____ stamps.

(5) Henry's lunch cost 24 cents and his little sister's lunch cost 17 cents. How much did both lunches cost? _____ cents.

(6) Tom's mother divided 12 cookies equally among Tom and five friends. How many cookies did each boy get? _____ cookies.

(7) Eggs are 62 cents a dozen at one store and 57 cents a dozen at another store. What is the difference in the price of a dozen eggs? _____ cents.

(8) Don's mother paid $4.25 for his new shoes, $1.20 for his new sweater, and $.46 for his new necktie. How much did she spend in all? _____

Find these answers. Watch the signs.

(1) $4 + 3 =$

(2) $7 + 7 =$

(3) $2 \times 7 =$

(4) $14 \div 2 =$

(5) $14 \div 7 =$

(6) $14 - 7 =$

(7) $6 + 2 =$

(8) $8 - 6 =$

(9) $8 \div 2 =$

(10) $10 \div 2 =$

(11) $10 - 5 =$

(12) $9 - 4 =$

(13) $12 - 6 =$

(14) $12 \div 2 =$

(15) $2 \times 6 =$

(16) $2 \times 8 =$

(17) $2 \times 2 =$

(18) $7 - 7 =$

(19) $8 - 0 =$

(20) $2 \times 9 =$

(21) $2 \times 3 =$

(22) $7 + 5 =$

(23) $16 \div 2 =$

(24) $13 - 6 =$

(25) $3 - 3 =$

(26) $9 - 0 =$

(27) $8 + 5 =$

Perfect score is 34. My Score _____.

Unit 3. Part 10. Diagnostic Review

Test 1. Addition

(1)	(2)	(3)	(4)	(5)	(6)	(7)
4	24	45	843	743	140	$6.39
8	43	3	127	300	25	2.42
1	11	41			201	1.11

(8) $8+5=$

(9) $7+4=$

(10) $6+7=$

(11) $9+3=$

(12) A nickel and 7 cents are _____ cents.

(13) A nickel and 8 cents are _____ cents.

(14) A dime and 2 cents are _____ cents.

(15) There are _____ nickels in a quarter.

Test 2. Subtraction

(1) $13-6=$

(2) $12-8=$

(3) $11-7=$

(4) $13-5=$

(5) $10-3=$

(6)	(7)	(8)	(9)
87	98	697	765
30	28	400	365

(10)	(11)	(12)	(13)
973	852	$9.89	$7.55
648	145	2.84	4.50

Test 3. Multiplication

(1) $2\times 9=$

(2) $8\times 0=$

(3) $7\times 1=$

(4)	(5)	(6)	(7)
64	601	427	910
$\times 2$	$\times 2$	$\times 2$	$\times 2$

Test 4. Division

(1) $12\div 2=$

(2) $6\div 3=$

(3) $9\div 9=$

(4)	(5)	(6)	(7)
$2\overline{)846}$	$2\overline{)148}$	$3\overline{)336}$	$7\overline{)147}$

Perfect score is 42. My Score _____.

Unit 4. Part 1. Review Addition Facts

Cover the answers with paper. Write your answers on a folded paper. Practice until you can give all the sums quickly and without making a mistake.

3 6 9	4 3 7	2 7 9	6 2 8	3 5 8	2 3 5	5 2 7	0 1 1	4 1 5
3 3 6	1 6 7	4 5 9	0 5 5	3 0 3	1 2 3	0 6 6	4 4 8	9 0 9
1 3 4	3 2 5	8 1 9	2 6 8	3 4 7	1 1 2	2 2 4	2 5 7	0 8 8
5 1 6	4 2 6	1 7 8	5 3 8	0 2 2	7 2 9	7 1 8	6 3 9	5 4 9

More Addition Facts

8 2 10	5 6 11	9 4 13	2 9 11	3 9 12	5 8 13	7 3 10	1 9 10	6 4 10
3 7 10	6 6 12	4 7 11	5 7 12	8 3 11	8 5 13	8 4 12	2 8 10	7 5 12
6 7 13	6 5 11	5 5 10	9 2 11	4 9 13	4 6 10	9 3 12	9 1 10	7 4 11

Add:

91 14	27 32	35 43	40 21	60 30	42 32	52 21	63 23	44 54
57 62	73 55	96 42	75 62	72 40	82 32	90 24	60 40	77 30

Perfect score is 18. My Score _____.

Unit 4. Part 2. Review Subtraction Facts

Cover the answers with paper. Write your answers on a folded paper. Practice until you can give all differences quickly and without a mistake.

9 − 6 = 3	7 − 4 = 3	4 − 2 = 2	5 − 1 = 4	8 − 3 = 5	9 − 2 = 7	6 − 3 = 3	8 − 1 = 7	2 − 1 = 1
8 − 5 = 3	7 − 1 = 6	5 − 2 = 3	3 − 3 = 0	1 − 0 = 1	6 − 1 = 5	9 − 0 = 9	2 − 2 = 0	7 − 6 = 1
9 − 5 = 4	8 − 6 = 2	5 − 4 = 1	3 − 1 = 2	1 − 1 = 0	9 − 3 = 6	8 − 7 = 1	5 − 3 = 2	9 − 4 = 5
9 − 7 = 2	3 − 2 = 1	8 − 4 = 4	4 − 1 = 3	7 − 5 = 2	7 − 3 = 4	6 − 5 = 1	9 − 1 = 8	6 − 4 = 2

More Subtraction Facts

10 − 2 = 8	11 − 6 = 5	12 − 4 = 8	12 − 3 = 9	10 − 4 = 6	11 − 7 = 4	12 − 7 = 5	11 − 8 = 3	10 − 5 = 5
12 − 6 = 6	12 − 9 = 3	11 − 4 = 7	13 − 6 = 7	13 − 8 = 5	11 − 3 = 8	10 − 3 = 7	11 − 2 = 9	12 − 8 = 4
10 − 6 = 4	11 − 9 = 2	10 − 7 = 3	13 − 9 = 4	12 − 5 = 7	10 − 9 = 1	11 − 5 = 6	10 − 8 = 2	10 − 1 = 9

Subtract:

117 − 43	128 − 64	139 − 76	107 − 46	136 − 50	116 − 56	124 − 70	105 − 74
136 − 95	127 − 47	108 − 98	114 − 90	120 − 90	105 − 24	133 − 82	117 − 85

Perfect score is 16. My Score _____.

Unit 4. Part 3. Addition and Subtraction

Addition. Carry once.

74	51	45	26	42
16	29	45	37	39
58	27	69	16	57
12	35	32	86	33
23	32	14	35	13
13	32	24	12	26
44	37	12	23	43
24	65	40	46	52
10	20	19	2	4
18	16	12	14	27

243	225	113	227
231	322	423	413
417	215	344	123
$7.29	$4.76	$5.28	$4.59
3.12	2.15	1.34	1.24
$9.08	$4.07	$5.16	$6.26
1.35	4.03	3.14	1.37
$2.22	$4.03	$2.09	$5.18
3.05	3.44	4.01	4.05
1.64	1.04	3.62	1.10

Subtraction. Carry or borrow once.

82	70	51	92	61
56	28	24	25	25
52	43	91	82	63
38	27	33	67	36
72	81	92	71	82
39	36	43	47	44
61	73	81	93	53
58	68	79	84	49

483	592	451	660
176	386	146	406
580	833	642	751
407	527	507	507
$5.42	$3.41	$4.50	$2.83
1.16	2.26	3.36	1.76
$6.73	$7.92	$4.81	$3.70
2.08	3.88	1.78	2.68
$8.80	$9.41	$2.93	$4.72
1.05	2.05	1.05	3.65

Perfect score is 76. My Score _____.

Unit 4. Part 4. Addition Facts About 14 and 15

Learn these addition facts if you do not know them.

7	5	8	9	6	9	7	6	8	10
7	9	6	5	8	6	8	9	7	5
14	14	14	14	14	15	15	15	15	15

Find the sums. Add downward. Check by adding upward.

5	6	4	2	4	6	5	4	5	4	5	4
5	4	3	3	4	3	1	5	2	2	3	3
5	3	7	9	6	5	8	6	8	9	7	8

Addition with zeros and carrying once. Add downward.

50	62	80	77	70	98	90	80	80	70
63	60	50	50	70	50	68	77	64	60

64	99	84	70	9	65	48	79	26	8
28	32	6	77	20	94	56	6	48	7
1	1	25	4	5	2	10	20	10	20

Addition with carrying once or twice. Add downward.

475	597	589	378	779	597	286	567
369	237	346	357	254	128	534	354

650	388	247	739	699	447	666	498
278	256	668	283	236	287	368	523

246	347	578	238	329	647	789	276
98	3	404	670	96	270	650	218
701	564	63	37	420	117	15	250

$4.25	$4.28	$8.06	$7.05	$6.57	$9.76	$7.88	$8.70
4.34	1.27	1.78	2.19	4.87	3.56	6.04	3.49

Perfect score is 64. My Score _____.

Unit 4. Part 5. Subtraction Facts About 14 and 15

Learn these subtraction facts if you do not know them.

14 − 7 = 7	14 − 8 = 6	14 − 6 = 8	14 − 9 = 5	14 − 5 = 9	15 − 9 = 6	15 − 6 = 9	15 − 8 = 7	15 − 7 = 8	15 − 5 = 10

Find the remainders.

875 − 251	797 − 385	967 − 242	865 − 354	925 − 323	859 − 445	768 − 154	968 − 427

Subtraction with zeros. Find the remainders.

895 − 205	976 − 170	567 − 460	887 − 385	342 − 102	679 − 479	600 − 300	708 − 508

Subtraction with carrying or borrowing once. Write the remainders.

780 − 405	830 − 502	861 − 825	942 − 37	691 − 53	775 − 69	533 − 27	464 − 46

Subtraction with carrying or borrowing twice. Find the remainders.

621 − 247	554 − 389	644 − 196	543 − 285	644 − 157	855 − 399	755 − 488	655 − 167
301 − 149	602 − 318	401 − 256	505 − 178	501 − 428	923 − 774	823 − 187	723 − 396

Subtracting dollars and cents. Write the remainders.

\$4.54 − 2.41	\$5.69 − 2.27	\$9.87 − 2.87	\$9.76 − 7.06	\$6.02 − 3.01	\$7.09 − 2.05	\$8.00 − 4.00	\$9.80 − 7.50
\$7.62 − 5.17	\$7.84 − 3.29	\$8.92 − 3.29	\$9.93 − 3.67	\$9.45 − 4.59	\$7.54 − 4.76	\$4.55 − 1.58	\$6.55 − 2.87

Perfect score is 56. My Score _____.

Unit 4. Part 6. Multiplication: Twos and Fives

Count by fives to fifty. Learn these multiplication facts. Write the answers.

$1 \times 5 = 5$	$5 \times 1 =$	$6 \times 5 = 30$	$5 \times 6 =$
$2 \times 5 = 10$	$5 \times 2 =$	$7 \times 5 = 35$	$5 \times 7 =$
$3 \times 5 = 15$	$5 \times 3 =$	$8 \times 5 = 40$	$5 \times 8 =$
$4 \times 5 = 20$	$5 \times 4 =$	$9 \times 5 = 45$	$5 \times 9 =$
$5 \times 5 = 25$	$5 \times 0 =$	$10 \times 5 = 50$	$5 \times 10 =$

Multiplication without carrying. Find the products.

310 ×5	611 ×5	700 ×5	801 ×5	910 ×5	511 ×5	400 ×5	211 ×5
741 ×2	523 ×2	810 ×2	611 ×2	931 ×2	642 ×2	930 ×2	814 ×2

Find the products. Carry once.

437 ×2	215 ×2	328 ×2	246 ×2	52 ×5	36 ×5	47 ×5	28 ×5
78 ×5	98 ×5	18 ×5	52 ×5	25 ×8	52 ×9	15 ×3	25 ×4

Find the products. Carry twice.

267 ×2	189 ×2	275 ×2	486 ×2	123 ×5	424 ×5	625 ×5	239 ×5
128 ×5	237 ×5	129 ×5	136 ×5	125 ×5	134 ×5	176 ×5	164 ×5

Mixed practice. Find the products.

81 ×2	70 ×2	115 ×5	801 ×5	700 ×5	611 ×5	310 ×5	65 ×5
625 ×5	734 ×5	419 ×5	438 ×5	327 ×5	106 ×5	511 ×5	768 ×5

Perfect score is 74. My Score .....

Unit 4. Part 7. Division: Twos and Fives

Write the answers. **Another kind of division. Write the answers.**

(1)	$2 \times 5 =$	$10 \div 2 =$	$5\overline{)10}$	$\frac{1}{2}$ of $10 =$	$\frac{1}{5}$ of $10 =$
(2)	$5 \times 5 =$	$25 \div 5 =$	$5\overline{)25}$	$\frac{1}{5}$ of $25 =$	
(3)	$3 \times 5 =$	$15 \div 5 =$	$3\overline{)15}$	$\frac{1}{3}$ of $15 =$	$\frac{1}{5}$ of $15 =$
(4)	$4 \times 5 =$	$20 \div 5 =$	$4\overline{)20}$	$\frac{1}{5}$ of $20 =$	$\frac{1}{4}$ of $20 =$
(5)	$7 \times 5 =$	$35 \div 7 =$	$5\overline{)35}$	$\frac{1}{7}$ of $35 =$	$\frac{1}{5}$ of $35 =$
(6)	$1 \times 5 =$	$5 \div 5 =$	$1\overline{)5}$	$\frac{1}{5}$ of $5 =$	
(7)	$8 \times 5 =$	$40 \div 5 =$	$8\overline{)40}$	$\frac{1}{8}$ of $40 =$	$\frac{1}{5}$ of $40 =$
(8)	$6 \times 5 =$	$30 \div 6 =$	$5\overline{)30}$	$\frac{1}{6}$ of $30 =$	$\frac{1}{5}$ of $30 =$
(9)	$9 \times 5 =$	$45 \div 9 =$	$5\overline{)45}$	$\frac{1}{9}$ of $45 =$	$\frac{1}{5}$ of $45 =$
(10)	$10 \times 5 =$	$50 \div 10 =$	$5\overline{)50}$	$\frac{1}{5}$ of $50 =$	$\frac{1}{10}$ of $50 =$

Divide by two.

$2\overline{)86}$	$2\overline{)42}$	$2\overline{)12}$	$2\overline{)28}$	$2\overline{)44}$	$2\overline{)126}$	$2\overline{)486}$	$2\overline{)168}$
$2\overline{)426}$	$2\overline{)824}$	$2\overline{)682}$	$2\overline{)884}$	$2\overline{)104}$	$2\overline{)142}$	$2\overline{)146}$	

Divide by five.

$5\overline{)155}$	$5\overline{)255}$	$5\overline{)455}$	$5\overline{)355}$	$5\overline{)305}$	$5\overline{)205}$	$5\overline{)105}$
$5\overline{)405}$	$5\overline{)525}$	$5\overline{)515}$	$5\overline{)545}$	$5\overline{)535}$	$5\overline{)150}$	$5\overline{)200}$
$5\overline{)300}$	$5\overline{)400}$	$5\overline{)405}$	$5\overline{)555}$	$5\overline{)500}$	$5\overline{)510}$	$5\overline{)505}$

Mixed practice. Write the answers.

$8\overline{)168}$	$7\overline{)147}$	$9\overline{)189}$	$9\overline{)918}$	$2\overline{)416}$	$2\overline{)610}$	$6\overline{)126}$
$6\overline{)66}$	$3\overline{)63}$	$4\overline{)84}$	$4\overline{)848}$	$2\overline{)806}$	$9\overline{)909}$	$7\overline{)714}$

Perfect score is 60. My Score _____.

Unit 4. Part 8. Practicing What You Have Learned

Do these problems. Show how you work them. (See number one.)

(1) May had a party. She spent 95 cents for ice cream, 30 cents for cake, and 15 cents for candles. All together she spent *$1.40*.

$$\begin{array}{r} \$\ .95 \\ .30 \\ .15 \\ \hline \$1.40 \end{array}$$

(2) Joe has 29 black chicks and 45 yellow chicks. He has _____ chicks.

(3) Jack had 75 cents and spent 5 cents for a top. He had _____ cents left.

(4) Dick earned 23 dollars. He spent 16 dollars for a new suit. He had _____ dollars left.

(5) There are 7 days in one week. How many days are there in 2 weeks? _____ days.

(6) Mary's new dress cost 43 cents a yard. Her mother bought 2 yards. She paid _____ for the cloth.

(7) A day is 24 hours long. 2 days are _____ hours long.

Add the following bills:

(8)

Butter	$ .33
Sugar	1.05
Meat	.75

(9)

Corn	$ .21
Peaches	.32
Bacon	.29

(10)

Bread	$ .10
Milk	.15
Beets	.04

(11)

Oranges	$ .32
Cake	.59
Tea	.33

(12)

Apples	$ .30
Lard	1.02
Onions	.07

(13)

Broom	$ .62
Cocoa	.21
Salt	.06

Find these answers. Watch the signs.

(1) $9+9=$

(2) $2\times9=$

(3) $18\div2=$

(4) $\frac{1}{2}$ of $18=$

(5) $6+6=$

(6) $2\times6=$

(7) $12\div2=$

(8) $\frac{1}{2}$ of $12=$

(9) $4+4=$

(10) $2\times4=$

(11) $8\div2=$

(12) $\frac{1}{2}$ of $8=$

(13) $2+2=$

(14) $2\times2=$

(15) $\frac{1}{2}$ of $4=$

(16) $4\div2=$

(17) $3+3=$

(18) $2\times3=$

(19) $6\div2=$

(20) $\frac{1}{2}$ of $6=$

(21) $8+8=$

(22) $2\times8=$

(23) $16\div2=$

(24) $\frac{1}{2}$ of $16=$

(25) $2\times5=$

(26) $5+5=$

(27) $10\div2=$

Perfect score is 39. My Score _____.

Unit 4. Part 9. Practicing What You Have Learned

Do these problems. Show how you work them. (See number one.)

(1) There are 312 boys and 482 girls in a school. There are 794 children altogether.

$$\begin{array}{r} 312 \\ 482 \\ \hline 794 \end{array}$$

(2) Ray had 10 problems to do at home. Before supper he had worked half of them. He had worked _____ problems.

(3) Dick caught 18 fish and Tom caught half as many. Tom had _____ fish.

(4) Joe and three other boys were playing. Joe's mother gave them 8 cookies. Each boy had _____ cookies.

(5) A baker made 328 loaves of bread. At night he had 13 loaves left. He sold _____ loaves of bread that day.

(6) A school buys 500 bottles of milk in 5 days. The school buys _____ bottles of milk in 1 day.

(7) Mrs. Smith bought 4 cans of corn at 11 cents a can. She paid _____ cents.

(8) 1 quart of ice cream will serve 8 people. 5 quarts will serve _____ people.

(9) Jack bought 5 packages of flower seeds at 5 cents each. He paid _____ cents for the seeds.

(10) How much will these things cost?

6 apples at 5c each . . . _____ cents
7 tablets at 5c each . . . _____ cents
2 tops at 5c each . . . . _____ cents
4 bags peanuts at 5c each _____ cents

(11) Wilson school had a party. Each child in grade 3 brought 5 cents. There were 39 children in the room. The children brought _____ in all.

Find these answers. Watch the signs.

(1) $1 \times 4 =$
(2) $1 \times 8 =$
(3) $1 \times 3 =$
(4) $1 \times 1 =$
(5) $1 \times 9 =$
(6) $1 \times 2 =$
(7) $1 \times 7 =$
(8) $1 \times 5 =$
(9) $1 \times 6 =$
(10) $8 \times 1 =$
(11) $2 \times 1 =$
(12) $4 \times 1 =$
(13) $7 \times 1 =$
(14) $6 \times 1 =$
(15) $5 \times 0 =$
(16) $9 \times 0 =$
(17) $3 \times 0 =$
(18) $2 \times 0 =$
(19) $4 \div 4 =$
(20) $6 \div 6 =$
(21) $7 \div 7 =$
(22) $2 \div 2 =$
(23) $8 \div 8 =$
(24) $9 \div 9 =$
(25) $1 \div 1 =$
(26) $5 \div 5 =$
(27) $3 \div 3 =$

Perfect score is 37. My Score _____.

Unit 4. Part 10. Diagnostic Review

Test 1. Addition

(1)
$$\begin{array}{r} 8 \\ 6 \\ 1 \\ \hline \end{array}$$

(2)
$$\begin{array}{r} 45 \\ 33 \\ \hline \end{array}$$

(3)
$$\begin{array}{r} 738 \\ 254 \\ \hline \end{array}$$

(4)
$$\begin{array}{r} 46 \\ 10 \\ 7 \\ \hline \end{array}$$

(5)
$$\begin{array}{r} 148 \\ 7 \\ 490 \\ \hline \end{array}$$

(6)
$$\begin{array}{r} 629 \\ 296 \\ \hline \end{array}$$

(7)
$$\begin{array}{r} \$9.27 \\ 3.88 \\ \hline \end{array}$$

Test 2. Subtraction

(1) $15-9=$

(2) $12-4=$

(3) $14-6=$

(4) $13-8=$

(5)
$$\begin{array}{r} 89 \\ 57 \\ \hline \end{array}$$

(6)
$$\begin{array}{r} 76 \\ 26 \\ \hline \end{array}$$

(7)
$$\begin{array}{r} 84 \\ 20 \\ \hline \end{array}$$

(8)
$$\begin{array}{r} 785 \\ 63 \\ \hline \end{array}$$

(9)
$$\begin{array}{r} 799 \\ 90 \\ \hline \end{array}$$

(10)
$$\begin{array}{r} 645 \\ 426 \\ \hline \end{array}$$

(11)
$$\begin{array}{r} 734 \\ 528 \\ \hline \end{array}$$

(12)
$$\begin{array}{r} 873 \\ 407 \\ \hline \end{array}$$

(13)
$$\begin{array}{r} 843 \\ 645 \\ \hline \end{array}$$

(14)
$$\begin{array}{r} 531 \\ 187 \\ \hline \end{array}$$

Test 3. Multiplication

(1) $5\times 9=$

(2) $5\times 5=$

(3) $2\times 9=$

(4) $5\times 0=$

(5) $5\times 6=$

(6) $5\times 7=$

(7)
$$\begin{array}{r} 91 \\ \times 2 \\ \hline \end{array}$$

(8)
$$\begin{array}{r} 83 \\ \times 2 \\ \hline \end{array}$$

(9)
$$\begin{array}{r} 70 \\ \times 2 \\ \hline \end{array}$$

(10)
$$\begin{array}{r} 431 \\ \times 2 \\ \hline \end{array}$$

(11)
$$\begin{array}{r} 502 \\ \times 2 \\ \hline \end{array}$$

(12)
$$\begin{array}{r} 46 \\ \times 2 \\ \hline \end{array}$$

(13)
$$\begin{array}{r} 25 \\ \times 5 \\ \hline \end{array}$$

(14)
$$\begin{array}{r} 703 \\ \times 5 \\ \hline \end{array}$$

(15)
$$\begin{array}{r} 639 \\ \times 5 \\ \hline \end{array}$$

(16)
$$\begin{array}{r} 427 \\ \times 5 \\ \hline \end{array}$$

Test 4. Division

(1) $5\div 5 =$

(2) $25\div 5 =$

(3) $\frac{1}{5}$ of $25=$

(4) $6\div 3 =$

(5) $12\div 2 =$

(6) $\frac{1}{2}$ of $14=$

(7) $2\overline{)284}$

(8) $2\overline{)168}$

(9) $5\overline{)555}$

(10) $5\overline{)105}$

(11) $5\overline{)255}$

(12) $5\overline{)305}$

(13) $5\overline{)405}$

(14) $5\overline{)545}$

(15) $5\overline{)155}$

(16) $9\overline{)189}$

Perfect score is 53. My Score _____.

Unit 5. Part 1. Addition Facts About 16, 17, 18

Work these problems. Show how you do them. (See number one.)

(1) Jack had 6 red Easter eggs, 7 green ones, and 2 purple ones. He had *15* Easter eggs.

$$\begin{array}{r} 6 \\ 7 \\ 2 \\ \hline 15 \end{array}$$

(2) If you had 19 cents and earned 7 cents more, how much would you have? _____ cents.

(3) Joe had 18 marbles. He bought 8 more. He now has _____ marbles.

(4) 18 girls and 15 boys came to Jane's party. _____ children came.

(5) In Fred's class are 19 girls and 16 boys. There are _____ children.

(6) Betty received 9 candy Easter eggs. She colored 8 hens' eggs. How many eggs has Betty? _____ eggs.

(7) James sold 78 papers one day. The next day he sold 38. He sold _____ papers in two days.

(8) Peter had 19 chickens. He bought 8 more. He now has _____ chickens.

(9) Dick had 7 marbles at home, 19 in a bag, and 10 in his pocket. He had _____ marbles in all.

(10) Jane's new dress cost $3.79 and her shoes cost $3.90. Jane spent _____.

Learn these facts.

$$\begin{array}{r} 8 \\ 8 \\ \hline 16 \end{array} \qquad \begin{array}{r} 9 \\ 9 \\ \hline 18 \end{array} \qquad \begin{array}{r} 9 \\ 7 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 8 \\ 9 \\ \hline 17 \end{array} \qquad \begin{array}{r} 7 \\ 9 \\ \hline 16 \end{array} \qquad \begin{array}{r} 9 \\ 8 \\ \hline 17 \end{array}$$

Addition with Bridging

Find the answers.

$8+8=$ $\qquad$ $9+7=$

$28+8=$ $\qquad$ $19+7=$

$38+8=$ $\qquad$ $39+7=$

$48+8=$ $\qquad$ $59+7=$

$8+9=$ $\qquad$ $9+9=$

$38+9=$ $\qquad$ $19+9=$

$18+9=$ $\qquad$ $69+9=$

$48+9=$ $\qquad$ $39+9=$

$$\begin{array}{r} 79 \\ 86 \\ \hline \end{array} \qquad \begin{array}{r} 48 \\ 99 \\ \hline \end{array} \qquad \begin{array}{r} 57 \\ 69 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ 57 \\ \hline \end{array} \qquad \begin{array}{r} 78 \\ 78 \\ \hline \end{array} \qquad \begin{array}{r} 89 \\ 69 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ 98 \\ \hline \end{array} \qquad \begin{array}{r} 88 \\ 70 \\ \hline \end{array} \qquad \begin{array}{r} 97 \\ 70 \\ \hline \end{array}$$

Perfect score is 34. My Score _____.

Unit 5. Part 2. Subtraction and Addition

Learn these facts if you do not know them.

8	16	9	7	16	16	8	9	17	17	9	18
+8	−8	+7	+9	−9	−7	+9	+8	−8	−9	+9	−9
16	8	16	16	7	9	17	17	9	8	18	9

Find the sums. Add downward. Check by adding upward.

8	9	7	1	2	4	1	4	1	4	4	9
7	8	9	8	7	3	7	5	7	3	5	9
1	1	1	7	9	8	8	8	9	6	4	1

$9.29	$8.58	$6.78	$6.07	$9.46	$7.68	$7.54	$8.07
3.49	4.38	5.19	4.59	2.57	4.25	3.09	4.45

$4.09	$5.89	$7.89	$9.48	$6.07	$6.89	$4.07	$4.99
.28	.17	3.89	.06	7.07	5.04	3.05	.92
7.91	5.20	2.00	1.00	1.92	2.72	4.70	1.00

Find the remainders. Check your answers. (See number one.)

(1)

$32.87
11.16
$21.71
$32.87

(2)

$56.97
21.85

(3)

$79.49
21.35

(4)

$48.77
6.89

(5)

$57.32
4.67

(6)

$97.51
3.78

(7)	(8)	(9)	(10)	(11)	(12)	(13)
$1.36	$1.43	$1.16	$1.45	$9.89	$8.68	$7.65
.89	.89	.77	.69	.70	2.79	2.87

(14)	(15)	(16)	(17)	(18)	(19)	(20)
$9.34	$9.21	$9.51	$9.32	$5.76	$4.86	$5.87
3.59	2.86	7.89	6.79	3.79	1.78	1.89

Perfect score is 47. My Score .....

Unit 5. Part 3. The 3's in Multiplication and Division

Facts that belong together.

(1)	(2)	(3)	(4)	(5)
$\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$ $\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$ $\begin{array}{r} 3 \\ 2\overline{)6} \\ 2 \\ 3\overline{)6} \end{array}$	$\begin{array}{r} 5 \\ \times 3 \end{array}$ $\begin{array}{r} 3 \\ \times 5 \end{array}$ $3\overline{)15}$ $5\overline{)15}$	$\begin{array}{r} 3 \\ \times 1 \end{array}$ $\begin{array}{r} 1 \\ \times 3 \end{array}$ $3\overline{)3}$ $1\overline{)3}$	$\begin{array}{r} 6 \\ \times 3 \end{array}$ $\begin{array}{r} 3 \\ \times 6 \end{array}$ $3\overline{)18}$ $6\overline{)18}$	$\begin{array}{r} 0 \\ \times 3 \end{array}$ $\begin{array}{r} 3 \\ \times 0 \end{array}$ $3\overline{)0}$

(6)	(7)	(8)	(9)	(10)
$\begin{array}{r} 4 \\ \times 3 \end{array}$ $\begin{array}{r} 3 \\ \times 4 \end{array}$ $3\overline{)12}$ $4\overline{)12}$	$\begin{array}{r} 7 \\ \times 3 \end{array}$ $\begin{array}{r} 3 \\ \times 7 \end{array}$ $3\overline{)21}$ $7\overline{)21}$	$\begin{array}{r} 8 \\ \times 3 \end{array}$ $\begin{array}{r} 3 \\ \times 8 \end{array}$ $3\overline{)24}$ $8\overline{)24}$	$\begin{array}{r} 9 \\ \times 3 \end{array}$ $\begin{array}{r} 3 \\ \times 9 \end{array}$ $3\overline{)27}$ $9\overline{)27}$	$\begin{array}{r} 3 \\ \times 3 \end{array}$ $3\overline{)9}$

Find the products. No carrying.

$\begin{array}{r} 31 \\ \times 3 \end{array}$	$\begin{array}{r} 23 \\ \times 3 \end{array}$	$\begin{array}{r} 40 \\ \times 3 \end{array}$	$\begin{array}{r} 53 \\ \times 3 \end{array}$

Find the products. Carry once.

$\begin{array}{r} 45 \\ \times 3 \end{array}$	$\begin{array}{r} 76 \\ \times 3 \end{array}$	$\begin{array}{r} 29 \\ \times 3 \end{array}$	$\begin{array}{r} 38 \\ \times 3 \end{array}$
$\begin{array}{r} 324 \\ \times 3 \end{array}$	$\begin{array}{r} 517 \\ \times 3 \end{array}$	$\begin{array}{r} 108 \\ \times 3 \end{array}$	$\begin{array}{r} 609 \\ \times 3 \end{array}$

Find the products. Carry twice.

$\begin{array}{r} 235 \\ \times 3 \end{array}$	$\begin{array}{r} 154 \\ \times 3 \end{array}$	$\begin{array}{r} 366 \\ \times 3 \end{array}$	$\begin{array}{r} 857 \\ \times 3 \end{array}$
$\begin{array}{r} 249 \\ \times 3 \end{array}$	$\begin{array}{r} 478 \\ \times 3 \end{array}$	$\begin{array}{r} 189 \\ \times 3 \end{array}$	$\begin{array}{r} 488 \\ \times 3 \end{array}$

Find the products. Mixed practice.

$\begin{array}{r} 82 \\ \times 3 \end{array}$	$\begin{array}{r} 90 \\ \times 3 \end{array}$	$\begin{array}{r} 125 \\ \times 3 \end{array}$	$\begin{array}{r} 314 \\ \times 3 \end{array}$
$\begin{array}{r} 703 \\ \times 3 \end{array}$	$\begin{array}{r} 335 \\ \times 3 \end{array}$	$\begin{array}{r} 606 \\ \times 3 \end{array}$	$\begin{array}{r} 768 \\ \times 3 \end{array}$

Divide:

$3\overline{)36}$	$3\overline{)93}$	$3\overline{)69}$	$3\overline{)90}$
$3\overline{)639}$	$3\overline{)396}$	$3\overline{)609}$	$3\overline{)306}$
$3\overline{)156}$	$3\overline{)186}$	$3\overline{)123}$	$3\overline{)249}$
$3\overline{)312}$	$3\overline{)615}$	$3\overline{)918}$	$3\overline{)624}$
$3\overline{)276}$	$3\overline{)213}$	$3\overline{)120}$	$3\overline{)180}$
$3\overline{)903}$	$3\overline{)159}$	$3\overline{)900}$	$3\overline{)219}$
$9\overline{)27}$	$7\overline{)21}$	$5\overline{)155}$	$4\overline{)124}$
$6\overline{)186}$	$8\overline{)240}$	$9\overline{)270}$	$7\overline{)210}$
$3\overline{)63}$	$3\overline{)180}$	$3\overline{)129}$	$3\overline{)279}$

Perfect score is 73. My Score _____.

Unit 5. Part 4. The 4's in Multiplication and Division

Facts that belong together.

(1)	(2)	(3)	(4)	(5)
$4 \times 2 = 8$	$4 \times 5 =$	$4 \times 3 =$	$4 \times 1 =$	$4 \times 0 =$
$2 \times 4 = 8$	$5 \times 4 =$	$3 \times 4 =$	$1 \times 4 =$	$0 \times 4 =$
$8 \div 2 = 4$	$20 \div 4 =$	$12 \div 4 =$	$4 \div 4 =$	$0 \div 4 =$
$8 \div 4 = 2$	$20 \div 5 =$	$12 \div 3 =$	$4 \div 1 =$	

(6)	(7)	(8)	(9)	(10)
$4 \times 9 =$	$4 \times 6 =$	$4 \times 8 =$	$4 \times 7 =$	$4 \times 4 =$
$9 \times 4 =$	$6 \times 4 =$	$8 \times 4 =$	$7 \times 4 =$	$16 \div 4 =$
$36 \div 4 =$	$24 \div 4 =$	$32 \div 4 =$	$28 \div 4 =$	
$36 \div 9 =$	$24 \div 6 =$	$32 \div 8 =$	$28 \div 7 =$	

Find the products. No carrying.

42×4	31×4	12×4	50×4

Find the products. Carry once.

53×4	26×4	14×4	27×4
123×4	615×4	408×4	309×4

Find the products. Carry twice.

153×4	176×4	539×4	248×4
128×4	639×4	847×4	565×4

Find the products. Mixed practice.

92×4	71×4	415×4	623×4
402×4	617×4	239×4	607×4

Divide:

$4\overline{)48}$	$4\overline{)88}$	$4\overline{)84}$	$4\overline{)40}$
$4\overline{)848}$	$4\overline{)448}$	$4\overline{)884}$	$4\overline{)408}$
$4\overline{)124}$	$4\overline{)168}$	$4\overline{)248}$	$4\overline{)284}$
$4\overline{)812}$	$4\overline{)416}$	$4\overline{)424}$	$4\overline{)828}$
$4\overline{)328}$	$4\overline{)364}$	$4\overline{)280}$	$4\overline{)816}$
$4\overline{)804}$	$4\overline{)164}$	$4\overline{)800}$	$4\overline{)160}$
$8\overline{)32}$	$9\overline{)36}$	$7\overline{)28}$	$4\overline{)204}$
$6\overline{)246}$	$5\overline{)205}$	$9\overline{)360}$	$7\overline{)280}$
$4\overline{)44}$	$4\overline{)128}$	$4\overline{)288}$	$4\overline{)208}$

Perfect score is 73. My Score .....

Unit 5. Part 5. Multiplication: Threes and Fours

3	5	7	6	9	1	2	0	4	8
×3	×3	×3	×3	×3	×3	×3	×3	×3	×3
9	15	21	18	27	3	6	0	12	24

Find the products.

(1) $3 \times 7 =$
(2) $2 \times 3 =$
(3) $3 \times 9 =$
(4) $1 \times 3 =$
(5) $3 \times 0 =$
(6) $8 \times 3 =$
(7) $6 \times 3 =$
(8) $3 \times 4 =$
(9) $3 \times 5 =$
(10) $3 \times 3 =$
(11) $3 \times 4 + 2 =$
(12) $3 \times 7 + 1 =$
(13) $5 \times 3 + 1 =$
(14) $3 \times 3 + 2 =$
(15) $8 \times 3 + 1 =$
(16) $4 \times 3 + 1 =$

701	820	613	912
×3	×3	×3	×3

$4 \times 1 = 4$
$4 \times 5 = 20$
$4 \times 0 = 0$
$4 \times 3 = 12$
$4 \times 2 = 8$
$4 \times 7 = 28$
$4 \times 9 = 36$
$4 \times 6 = 24$
$4 \times 4 = 16$
$4 \times 8 = 32$

Find the products.

(1) $4 \times 6 + 1 =$
(2) $4 \times 4 + 2 =$
(3) $4 \times 8 + 1 =$
(4) $9 \times 4 + 3 =$
(5) $4 \times 9 + 1 =$
(6) $4 \times 7 + 1 =$
(7) $4 \times 4 + 3 =$
(8) $7 \times 4 + 2 =$
(9) $4 \times 5 + 5 =$
(10) $4 \times 0 + 3 =$
(11) $8 \times 4 + 4 =$
(12) $4 \times 1 + 2 =$
(13) $8 \times 4 + 2 =$
(14) $4 \times 6 + 2 =$
(15) $9 \times 4 + 2 =$
(16) $4 \times 9 + 3 =$
(17) $4 \times 3 + 2 =$
(18) $6 \times 4 + 3 =$

Multiply by two and five.

62	73	80	91
×2	×2	×2	×2
51	46	69	167
×2	×2	×2	×2
768	459	106	708
×2	×2	×2	×2
21	40	91	60
×5	×5	×5	×5
235	462	918	769
×5	×5	×5	×5

Multiply by three.

32	41	50	65
×3	×3	×3	×3
701	642	789	564
×3	×3	×3	×3

Multiply by four.

81	50	23	64
×4	×4	×4	×4
703	618	529	468
×4	×4	×4	×4

Perfect score is 74. My Score _____.

Unit 5. Part 6. Division: Threes and Fours

Write the answers.

(1) $3 \times 6 = 18$
(2) $18 \div 6 = 3$
(3) $18 \div 3 = 6$
(4) $15 \div 5 =$
(5) $15 \div 3 =$
(6) $24 \div 3 =$
(7) $24 \div 8 =$
(8) $12 \div 3 =$
(9) $12 \div 4 =$
(10) $21 \div 3 =$
(11) $9 \div 3 =$
(12) $6 \div 2 =$
(13) $27 \div 3 =$
(14) $21 \div 7 =$
(15) $6 \div 3 =$
(16) $\frac{1}{3}$ of $15 =$
(17) $\frac{1}{3}$ of $9 =$
(18) $\frac{1}{3}$ of $27 =$

$3\overline{)369}$ $3\overline{)153}$ $7\overline{)217}$ $3\overline{)246}$

$3\overline{)279}$ $9\overline{)279}$ $3\overline{)123}$ $3\overline{)618}$

(1) $24 \div 4 =$
(2) $24 \div 6 =$
(3) $8 \div 4 =$
(4) $12 \div 4 =$
(5) $12 \div 3 =$
(6) $20 \div 4 =$
(7) $20 \div 5 =$
(8) $4 \div 4 =$
(9) $0 \div 4 =$
(10) $28 \div 4 =$
(11) $36 \div 4 =$
(12) $36 \div 9 =$
(13) $32 \div 8 =$
(14) $32 \div 4 =$
(15) $8 \div 4 =$
(16) $\frac{1}{4}$ of $20 =$
(17) $\frac{1}{4}$ of $32 =$
(18) $\frac{1}{4}$ of $16 =$

$4\overline{)124}$ $4\overline{)416}$ $4\overline{)820}$ $4\overline{)248}$

$9\overline{)369}$ $4\overline{)364}$ $8\overline{)328}$ $7\overline{)287}$

Divide by two and five.

$2\overline{)864}$ $2\overline{)182}$ $2\overline{)416}$

$2\overline{)146}$ $2\overline{)160}$ $2\overline{)218}$

$5\overline{)555}$ $5\overline{)105}$ $5\overline{)255}$

$5\overline{)300}$ $5\overline{)455}$ $5\overline{)355}$

Divide by three.

$3\overline{)966}$ $3\overline{)603}$ $3\overline{)123}$

$3\overline{)186}$ $3\overline{)150}$ $3\overline{)249}$

$3\overline{)276}$ $3\overline{)327}$ $3\overline{)624}$

Divide by four.

$4\overline{)164}$ $4\overline{)128}$ $4\overline{)844}$

$4\overline{)120}$ $4\overline{)204}$ $4\overline{)328}$

$4\overline{)836}$ $4\overline{)812}$ $4\overline{)832}$

Perfect score is 79. My Score _____.

Unit 5. Part 7. Addition and Subtraction

Copy these examples and find the answers. Four are copied for you.

(1) 9+6+2=
(2) 23+13+22=
(3) 465+723=
(4) 221+42+113=

(1)	(2)	(3)	(4)
9	23	465	221
6	13	723	42
2	22		113

(5) 450+23+5=
(6) 27+32+53=
(7) 676+318=
(8) 925+66=

(5)	(6)	(7)	(8)

(9) $2.14+$3.53=
(10) $4.72+$ .11+$ .05=
(11) $6.09+$7.28=
(12) $3.89+$ .76+$ .10=

(9)	(10)	(11)	(12)

Copy each example and subtract.

(1) 46− 24=
(2) 869−237=
(3) 750−630=
(4) 987−307=

(1)	(2)	(3)	(4)

(5) 968− 24=
(6) 794−547=
(7) 682−206=
(8) 574− 64=

(5)	(6)	(7)	(8)

(9) $5.89−$2.67=
(10) $7.47−$ .34=
(11) $8.23−$1.17=
(12) $6.21−$4.65=

(9)	(10)	(11)	(12)

Perfect score is 24. My Score _____.

Unit 5. Part 8. Carrying Twice in Multiplication

Write the products. One example is done for you.

165 × 2 = 330	478 × 2	369 × 2	176 × 2	857 × 2	967 × 2	368 × 2
154 × 3	236 × 3	258 × 3	469 × 3	587 × 3	796 × 3	148 × 3
125 × 5	346 × 5	437 × 5	249 × 5	358 × 5	172 × 5	895 × 5
153 × 4	226 × 4	728 × 4	469 × 4	165 × 4	387 × 4	294 × 4

Multiplying Dollars and Cents

Watch the dollar and cent signs. One example is done for you.

$2.43 × 2 = $4.86	$5.21 × 2	$6.03 × 2	$7.18 × 2	$7.06 × 2	$9.68 × 2
$3.21 × 3	$7.03 × 3	$6.15 × 3	$8.07 × 3	$9.54 × 3	$8.79 × 3
$ .72 × 4	$5.10 × 4	$8.16 × 4	$9.07 × 4	$1.34 × 4	$4.89 × 4
$ .81 × 5	$2.14 × 5	$4.15 × 5	$7.16 × 5	$8.09 × 5	$7.45 × 5
$ .12 × 7	$2.10 × 8	$2.34 × 9	$4.32 × 6	$4.35 × 8	$5.23 × 9

Perfect score is 56. My Score ----------.

Unit 5. Part 9. Practicing What You Have Learned

Work these problems. Show how you do them.

(1) Joe spent 5 weeks in the country last summer. That was _____ days.

(2) The third grade orders 8 bottles of milk each day. How many bottles do they use in 5 days? _____ bottles.

(3) Tom gets 3 cents a box for picking cherries. He must pick _____ boxes to earn 24 cents.

(4) Bob bought a kite for 45 cents and a top for 18 cents. Together they cost _____ cents.

(5) Jane weighs 88 pounds. She must gain _____ pounds before she weighs 100 pounds.

(6) May has $5.16 in her bank. If she takes out $ .75 to buy her mother's birthday present, she will have _____ left.

(7) 8 people were coming for dinner. Kitty was setting the table. She gave each person 2 spoons. She needed _____ spoons.

(8) If your lunch costs $ .21 a day, how much will lunches for 5 days cost? _____

(9) Jim had 68 cents to buy 2-cent stamps. He bought _____ stamps.

(10) If you learn 2 new spelling words each day, how long will it take you to learn 100 new words? _____ days.

(11) Tom earns $3 a week. How many weeks must he work to earn a new bicycle which costs $27? _____ weeks.

(12) How many 3-cent stamps can you buy for 27 cents? _____ stamps.

Write the answers.
Watch the signs.

(1) $2 \times 9 =$

(2) $6 \div 3 =$

(3) $4 \times 4 =$

(4) $16 \div 4 =$

(5) $32 \div 4 =$

(6) $9 \times 3 =$

(7) $6 \times 5 =$

(8) $18 \div 9 =$

(9) $3 \times 1 =$

(10) $9 \div 3 =$

(11) $28 \div 7 =$

(12) $2 \times 5 =$

(13) $24 \div 4 =$

(14) $28 \div 4 =$

(15) $3 \times 5 =$

(16) $12 \div 6 =$

(17) $5 \times 1 =$

(18) $\frac{1}{5}$ of $45 =$

(19) $2 \times 4 =$

(20) $32 \div 8 =$

(21) $36 \div 4 =$

(22) $\frac{1}{5}$ of $25 =$

(23) $3 \times 3 =$

(24) $12 \div 3 =$

(25) $3 \times 0 =$

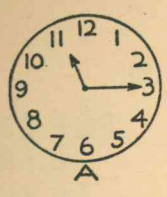
(26) $4 \times 9 =$

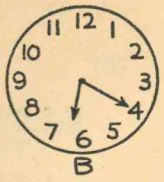
(27) $2 \times 8 =$

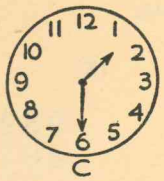
(28) $14 \div 7 =$

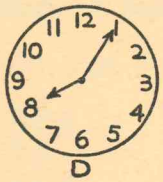
Perfect score is 40. My Score _____.

Unit 5. Part 10. Measurement, Vocabulary, Time









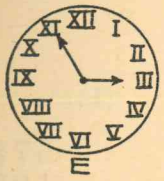
Write the answers.

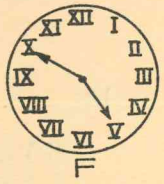
(1) Clock A shows 15 minutes past _____.

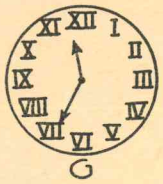
(2) Clock B shows _____ minutes past 6.

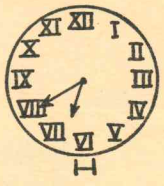
(3) Clock C shows _____ minutes past _____.

(4) Clock D shows _____ minutes past _____.









(5) Clock E shows 5 minutes of _____.

(6) Clock F shows 10 minutes of _____.

(7) Clock G shows _____ minutes of 12.

(8) Clock H shows _____ minutes of 7.

Draw a circle around the right answer.

(1)	Minus	+	×	—	÷
(2)	Plus	×	÷	+	—
(3)	Add	÷	×	—	+
(4)	Subtract	×	—	÷	+
(5)	Multiply	÷	+	×	—
(6)	Divide	×	÷	+	—
(7)	Equals	÷	×	=	+
(8)	Less	—	×	÷	=
(9)	Take away	×	÷	—	+
(10)	Times	=	×	÷	—
(11)	Zero	0	=	1	×
(12)	Cent	4	3	2	1
(13)	Nickel	4	6	5	7
(14)	Dime	9	5	2	10
(15)	Quarter	20	25	15	10
(16)	Addition	×	—	+	=

Draw lines below. Mark the lines off in inches. (See number one.)

(1) 6 inches

(2) 4 inches

(3) 5 inches

(4) $3\frac{1}{2}$ inches

(5) $6\frac{1}{2}$ inches

(6) This line is _____ inches long.

(7) This line is _____ inches long.

Perfect score is 30. My Score _____.

Unit 5. Part 11. Diagnostic Review

Test 1. Addition

(1) 45 + 63

(2) 9 + 7 + 2

(3) 28 + 10 + 9

(4) 458 + 47 + 120

(5) 989 + 485

(6) $1.07 + .78 + 4.50

(7) $86.70 + 2.49 + 10.38

Test 2. Subtraction

(1) 17 − 8

(2) 11 − 6

(3) 79 − 53

(4) 84 − 40

(5) 968 − 603

(6) 698 − 70

(7) 896 − 347

(8) 685 − 547

(9) 724 − 506

(10) 900 − 400

(11) 800 − 205

(12) 727 − 269

(13) 616 − 148

(14) 578 − 199

Test 3. Multiplication

(1) 21 × 2

(2) 34 × 2

(3) 63 × 2

(4) 70 × 2

(5) 51 × 5

(6) 32 × 3

(7) 42 × 4

(8) 124 × 3

(9) 314 × 3

(10) 105 × 3

(11) 656 × 3

(12) 967 × 3

(13) 458 × 3

(14) 129 × 3

Test 4. Division

(1) $9 \div 3 =$

(2) $35 \div 5 =$

(3) $24 \div 4 =$

(4) $\frac{1}{4}$ of 8 =

(5) $\frac{1}{5}$ of 15 =

(6) $\frac{1}{3}$ of 18 =

(7) $2\overline{)684}$

(8) $4\overline{)128}$

(9) $3\overline{)963}$

(10) $5\overline{)550}$

(11) $5\overline{)105}$

(12) $4\overline{)368}$

(13) $3\overline{)276}$

(14) $3\overline{)183}$

(15) $3\overline{)249}$

(16) $4\overline{)160}$

Perfect score is 51. My Score _____.

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